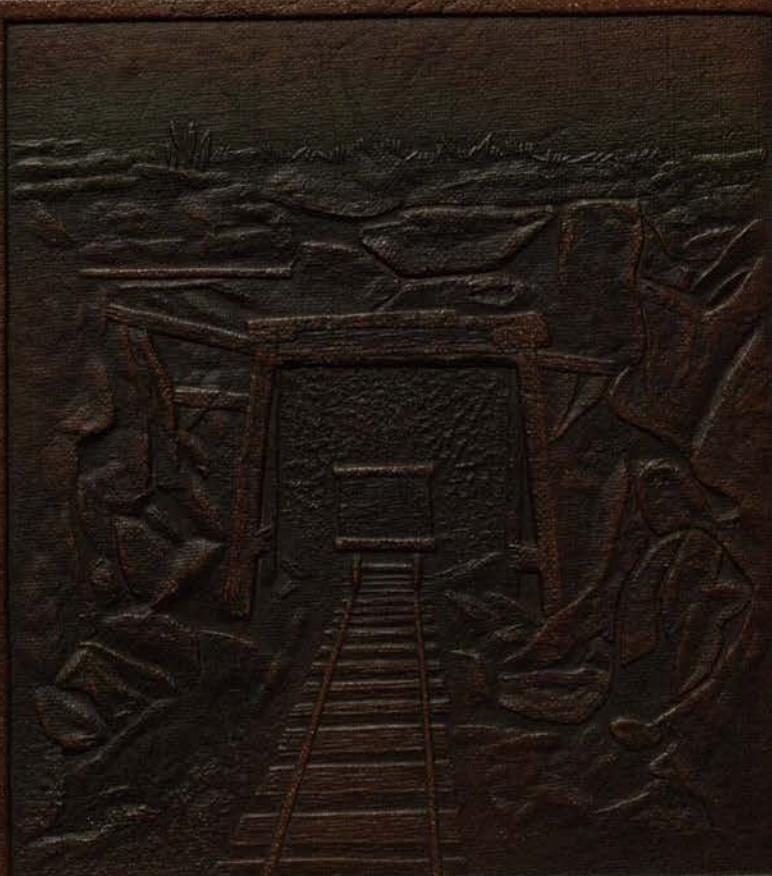


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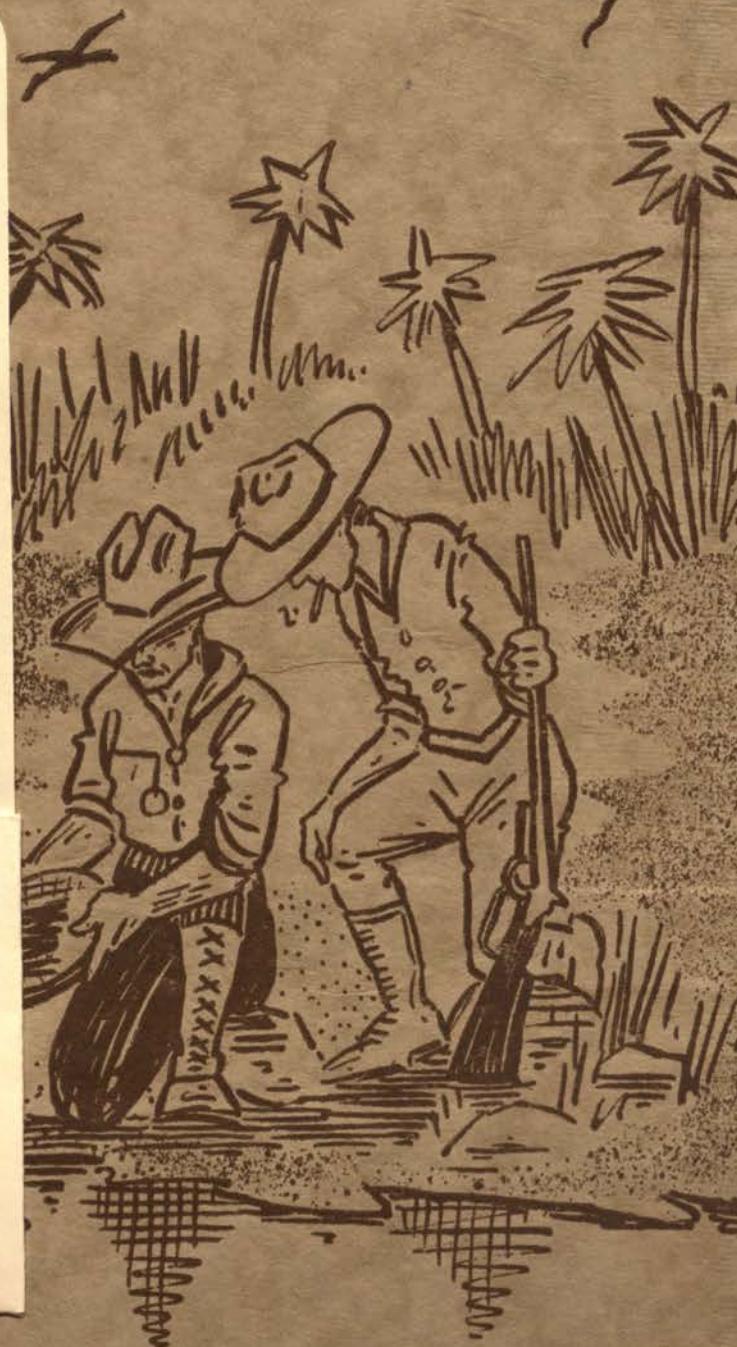


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University of Missouri - Rolla



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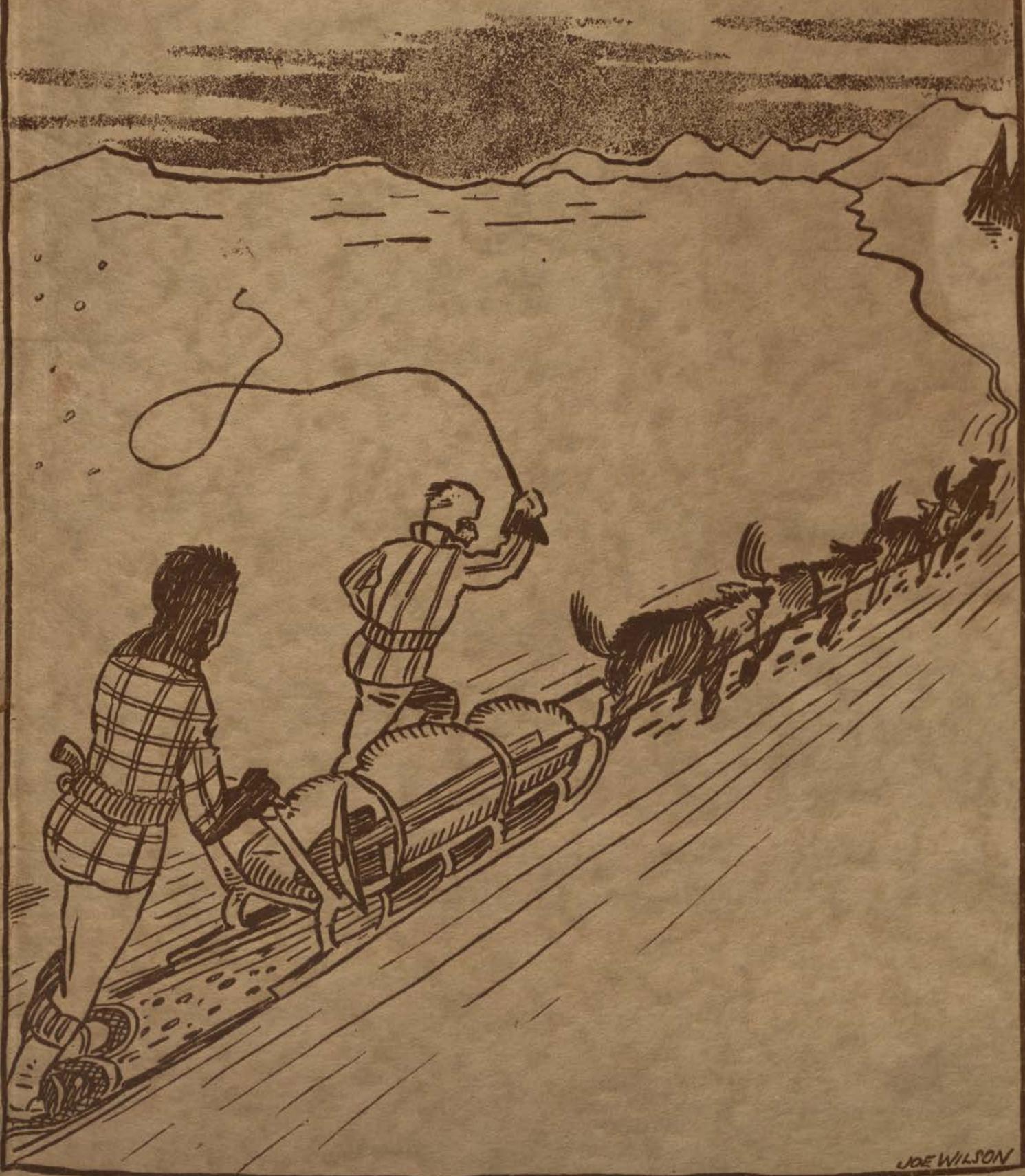


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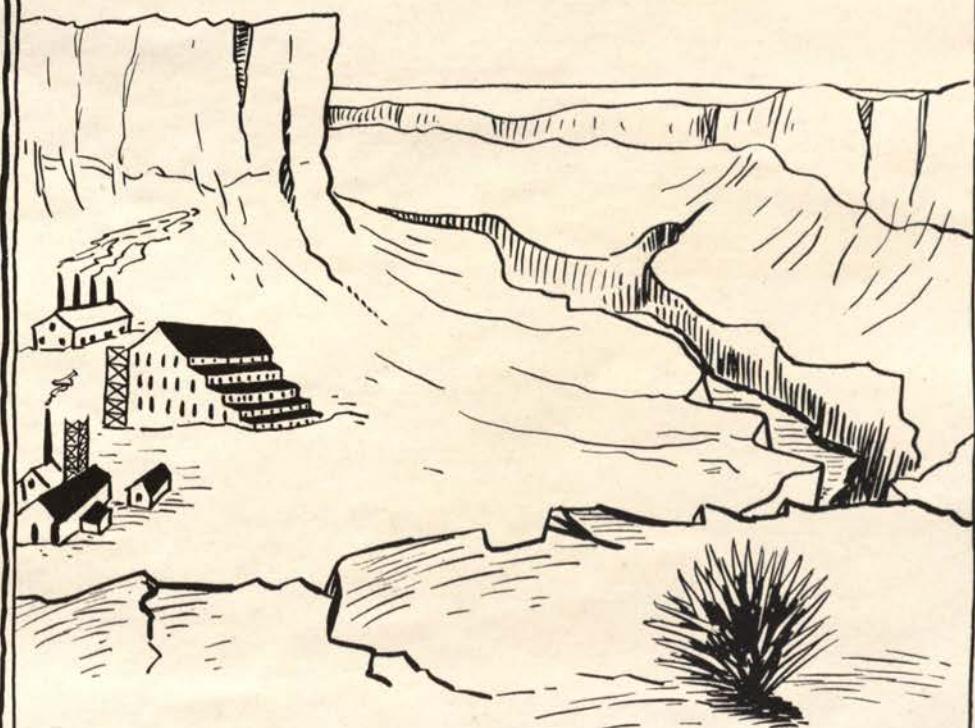


JOE WILSON



# ROLLAMO

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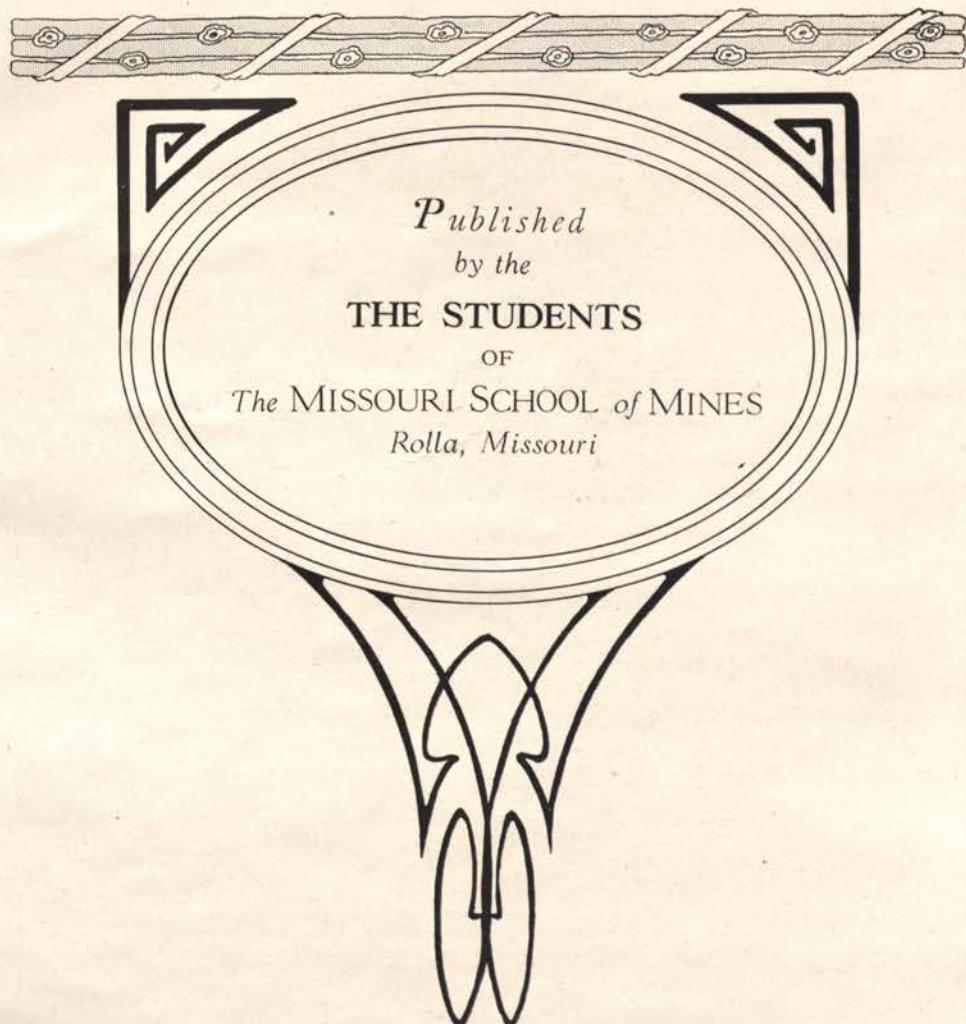


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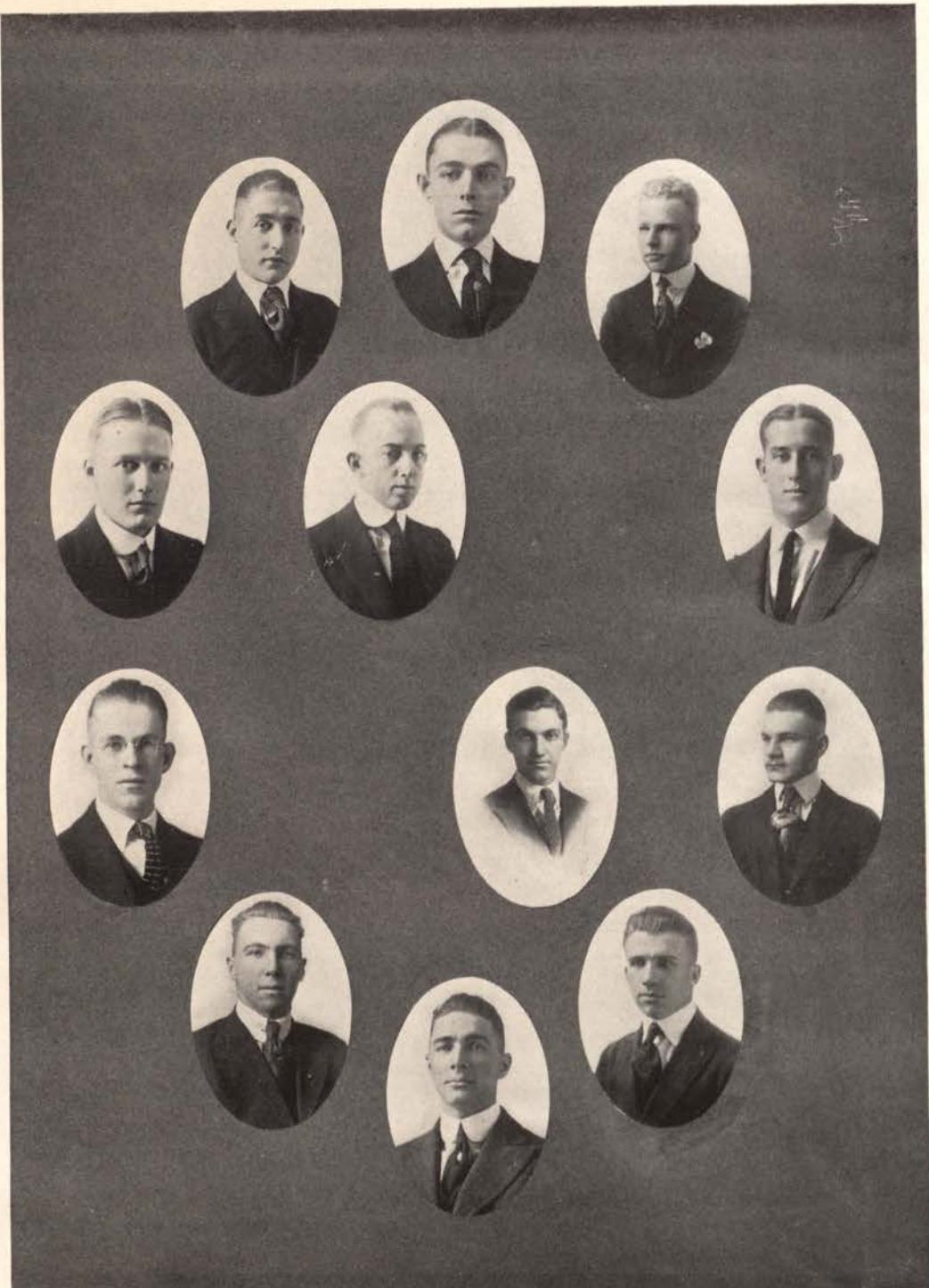
# Dedication

Edwin Joseph Bohn

whose death was so deeply regretted by everyone connected with the Missouri School of Mines, was a native of this state. Prior to entering this institution, he attended the St. Louis University of St. Louis, Missouri. While here he won letters in Football, Track and Basketball. He was captain of the 1919-20 Basketball Team and was elected captain of the 1920-21 Track Team. He was a member of the Kappa Alpha Fraternity. He took an active part in all school activities. The best that we can say about "Eddie" is that he commanded the respect of all that knew him.







ROLLAMO BOARD

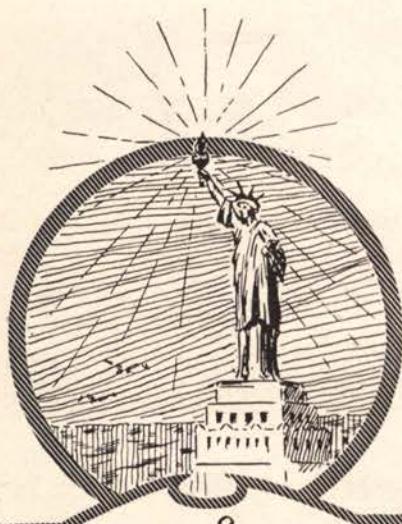
## Foreword

 N presenting this book, the fifteenth Rollamo, to you, we wish to say that we have tried to convey a true picture of the life of the student in and about Rolla, Missouri, at the School of Mines. We have striven to make this picture as comprehensive and as representative as possible. In order to gain this end we have put aside our individual feeling and have endeavored to replace it with a cosmopolitan one. Any sentiment that we considered current among any group of students has been given a place here.

We have no apologies to make. We have made an honest effort to please and if we have failed the failure is irremediable.

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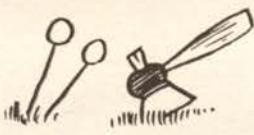
Organizations

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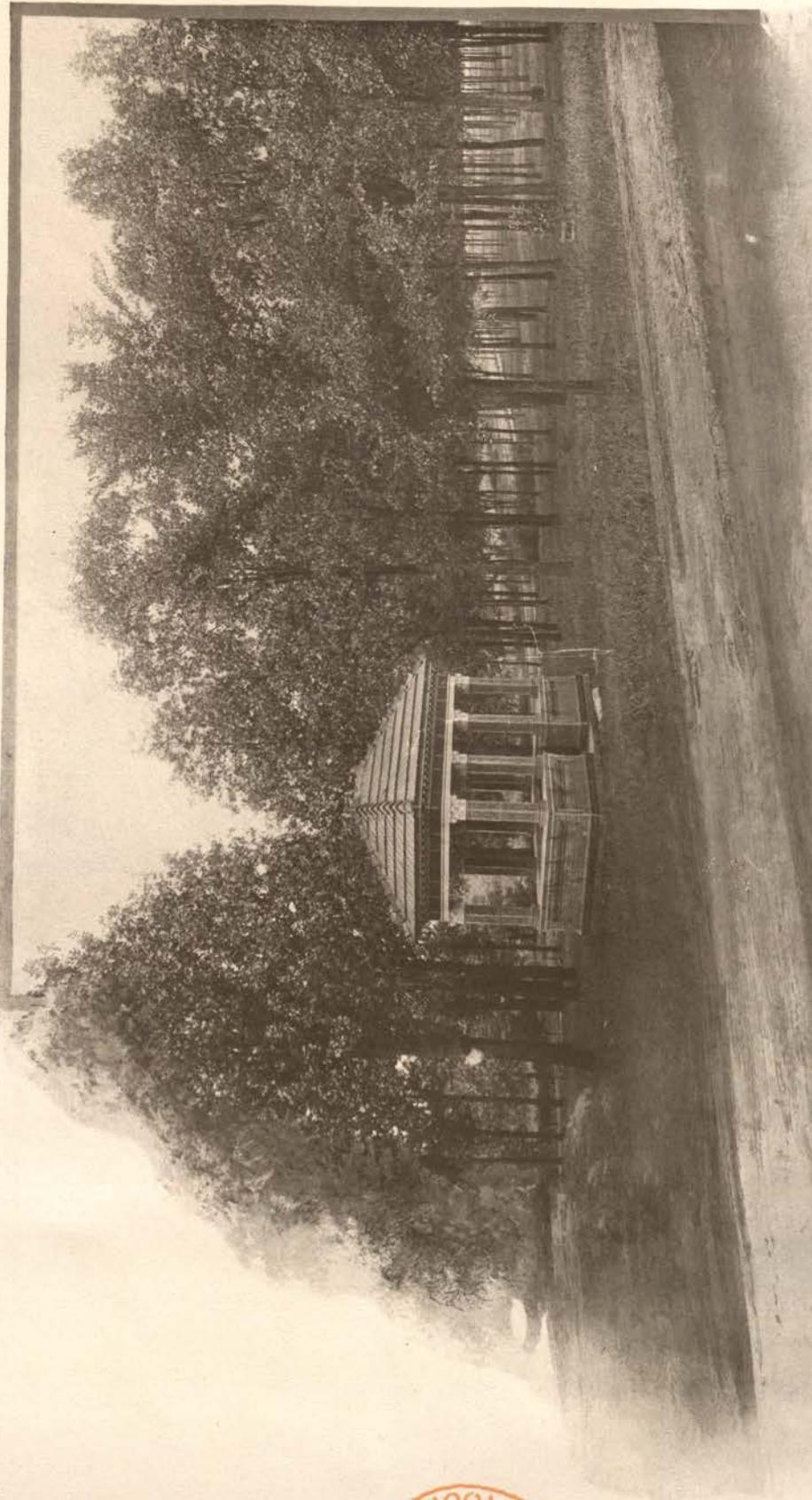
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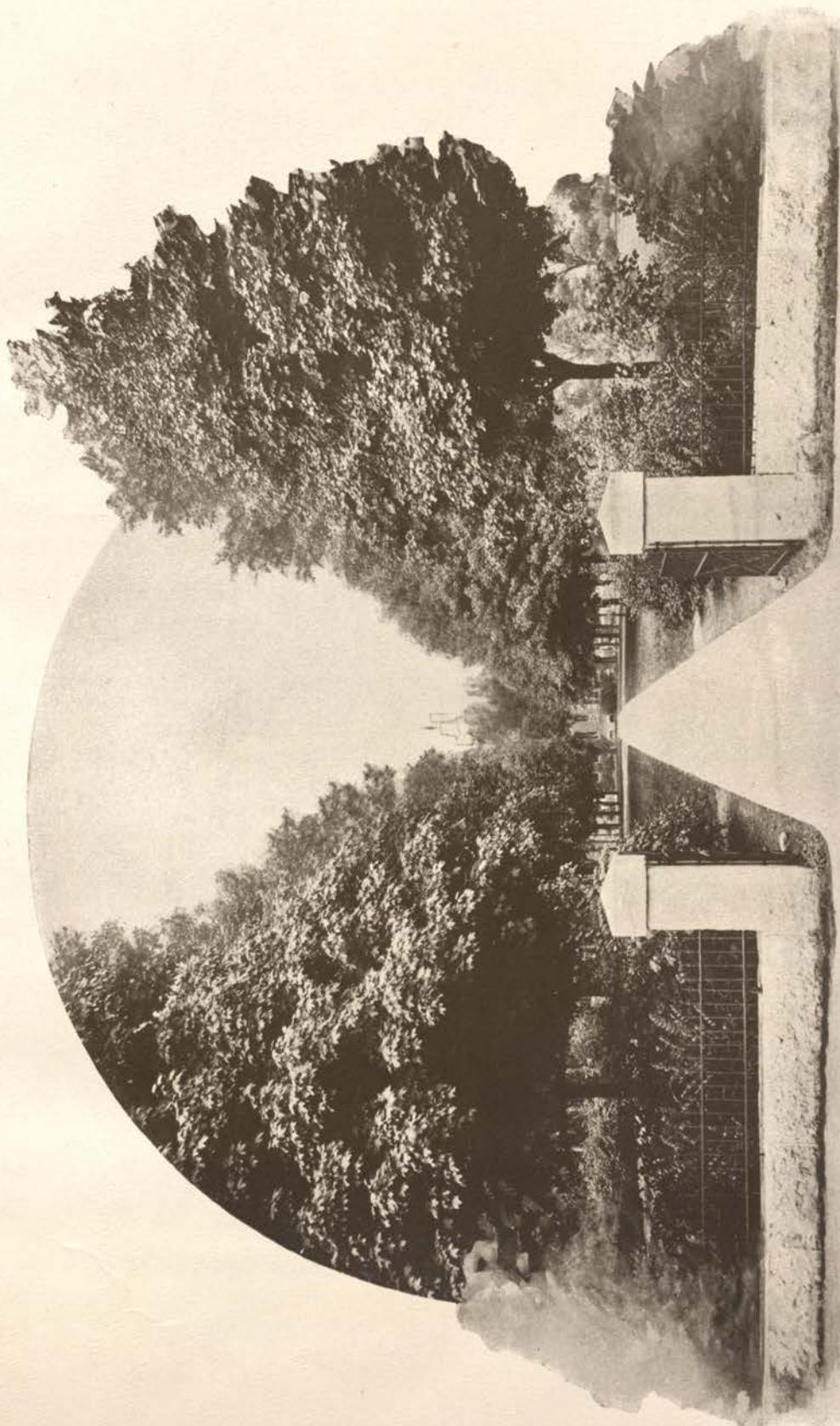


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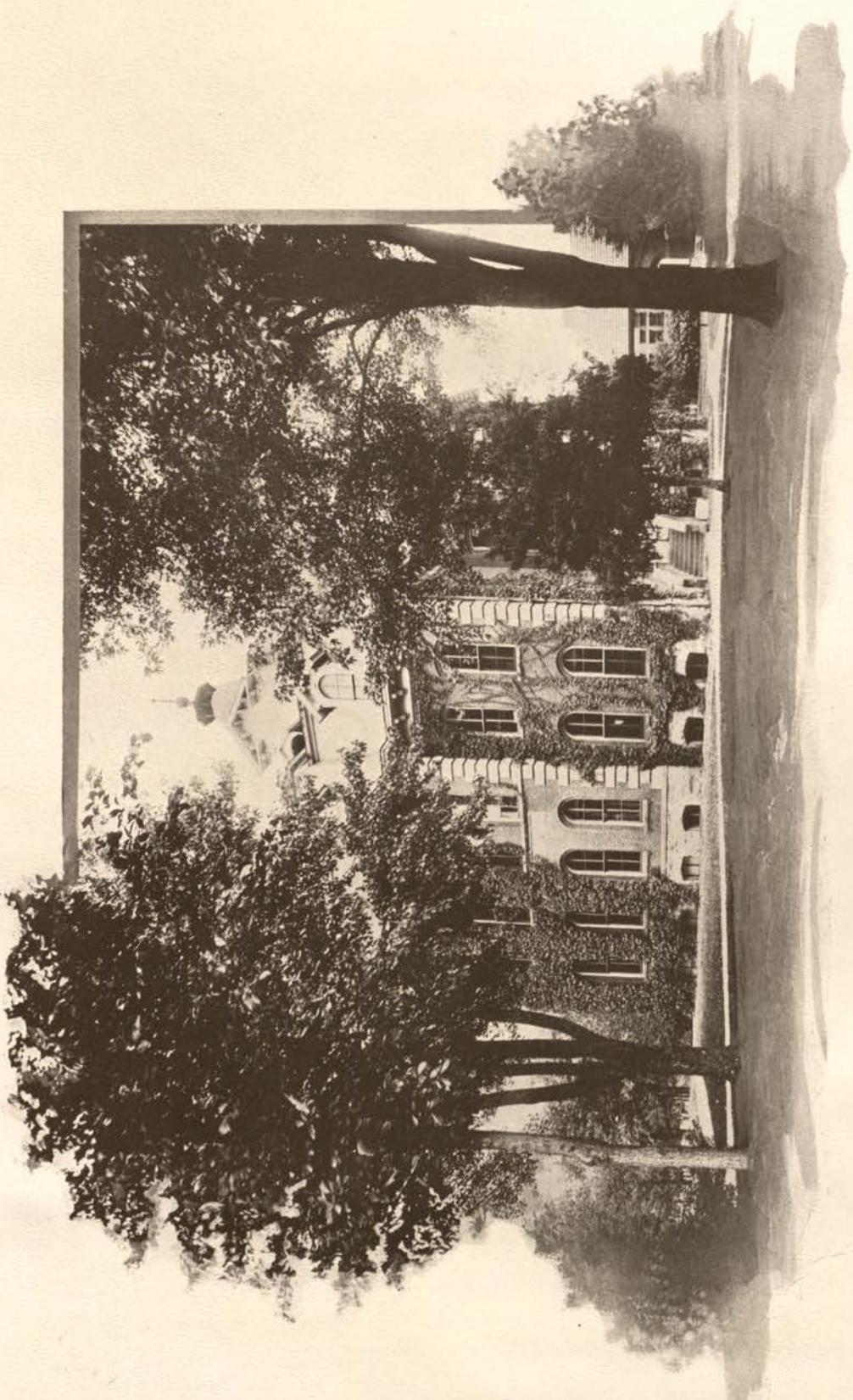


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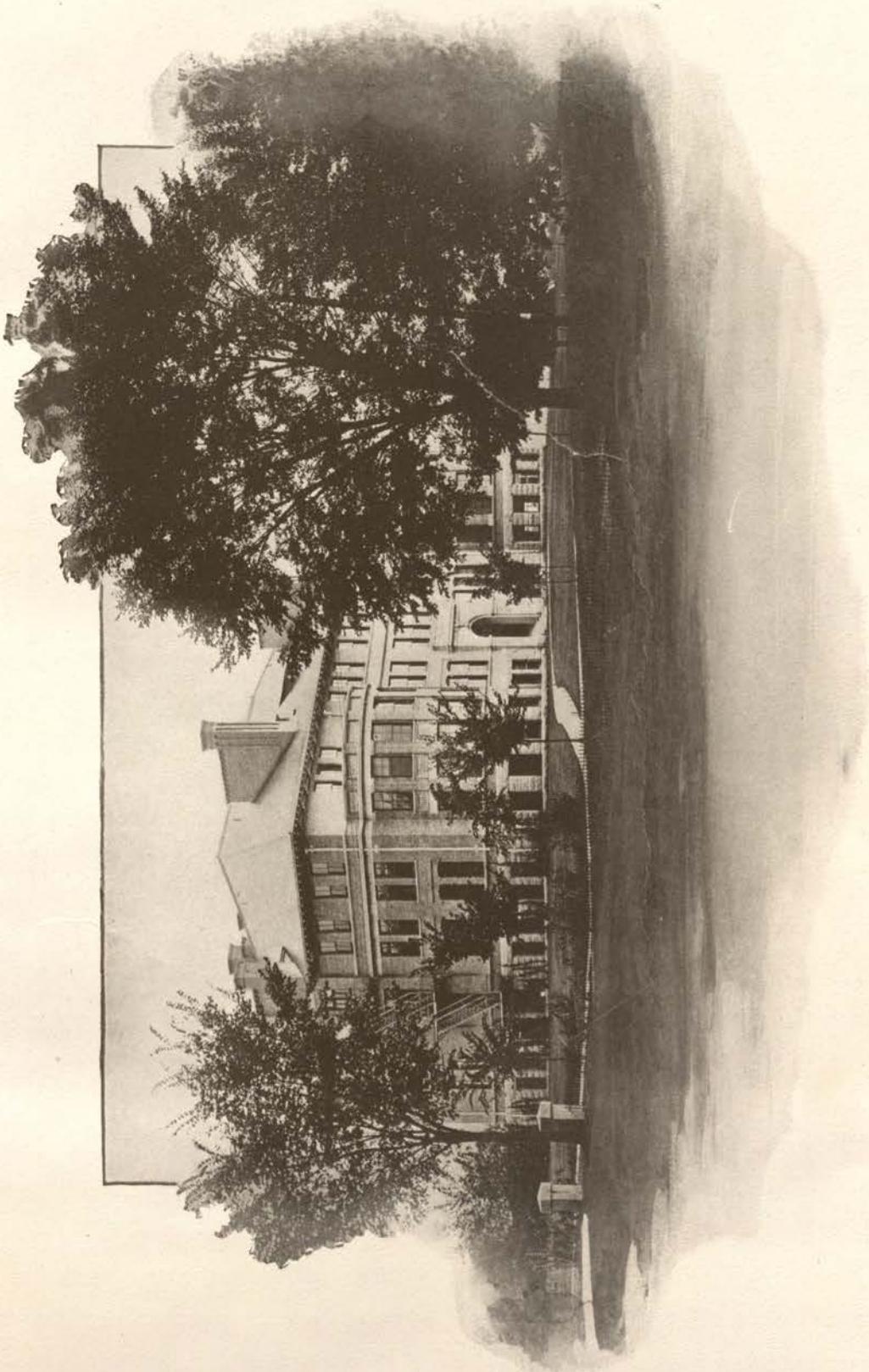
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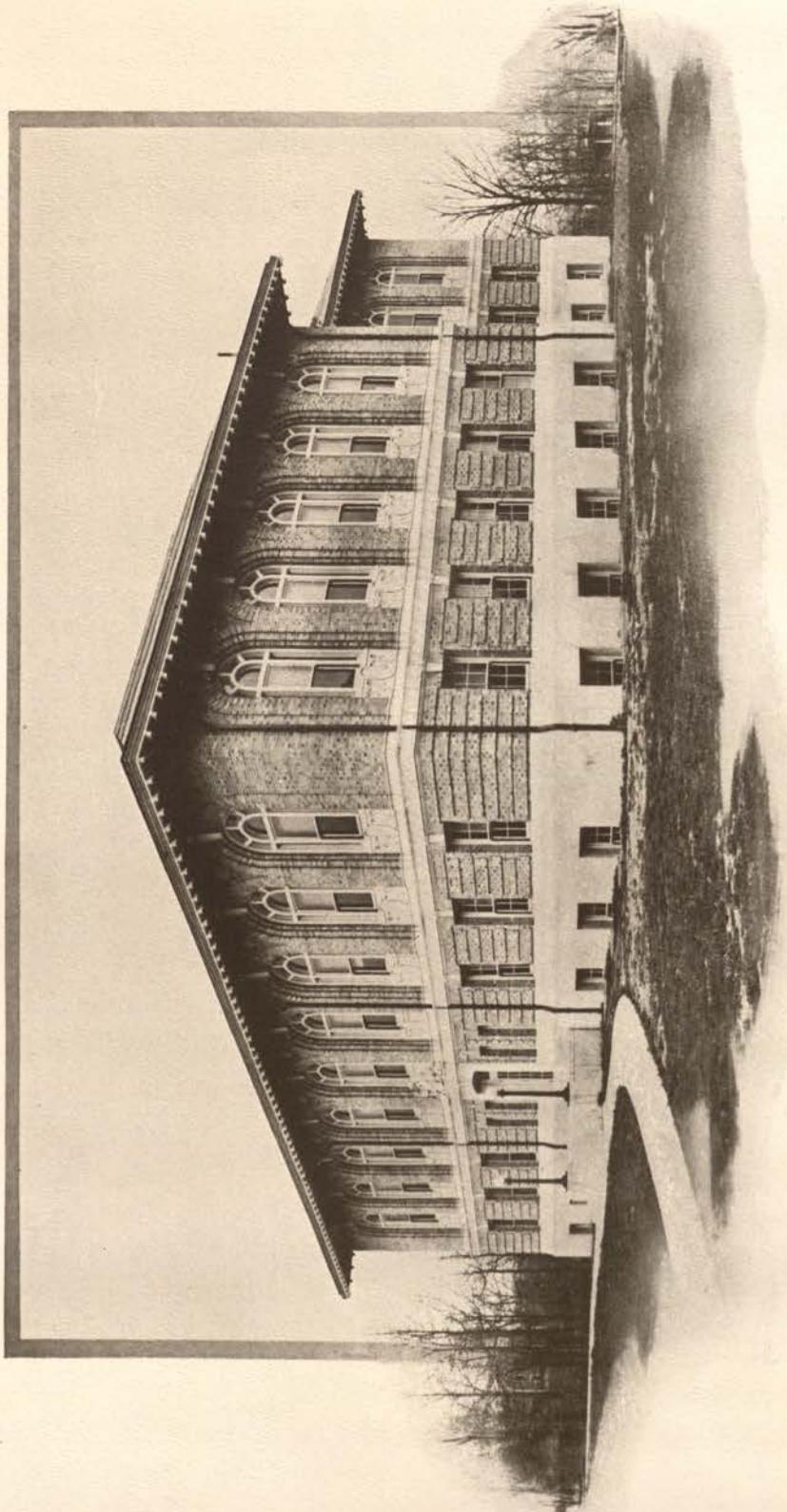
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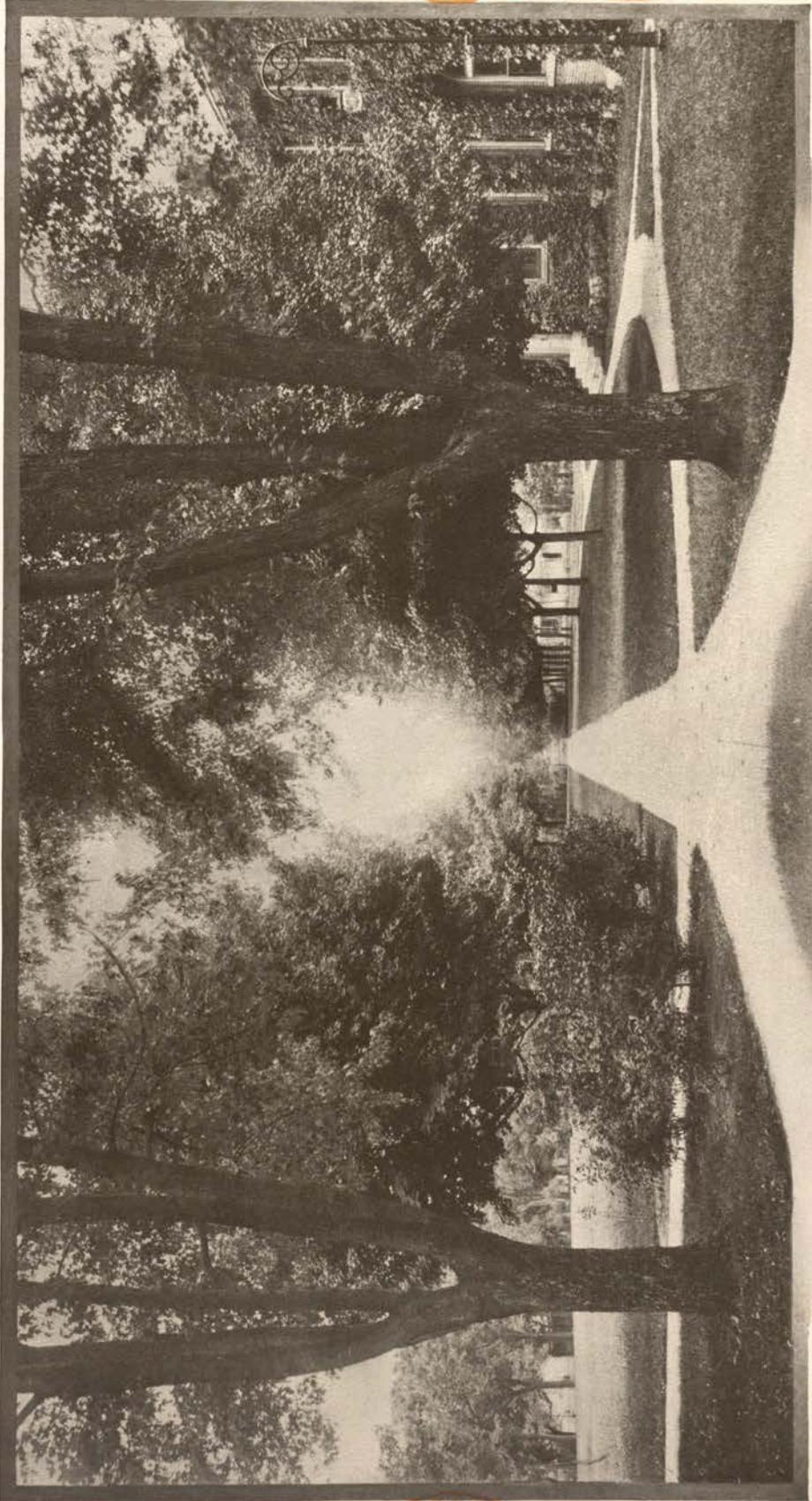
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# ROLLAMO



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E.H.W.

ROLIAMO

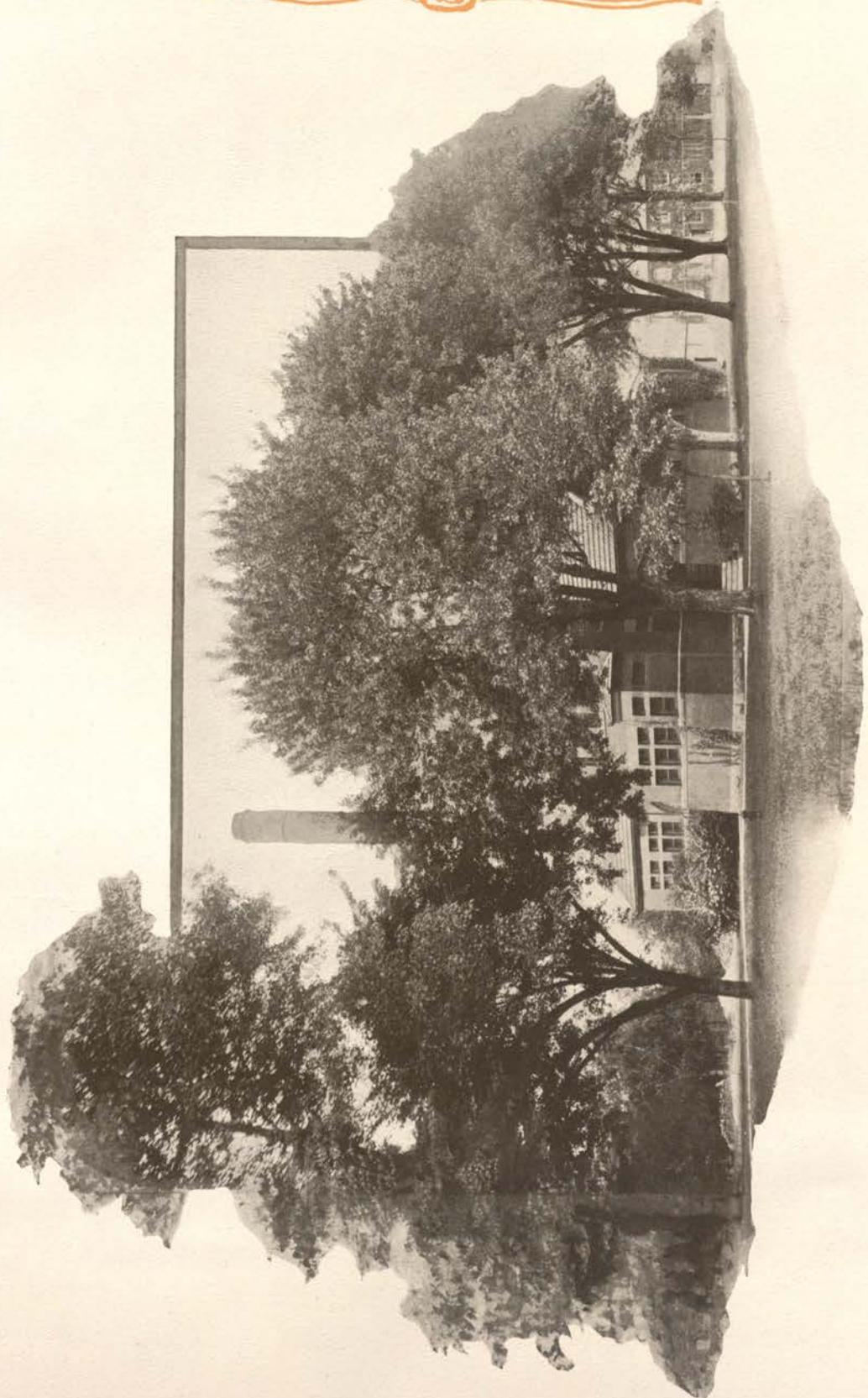


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# ROLLAMO



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E.H.W.

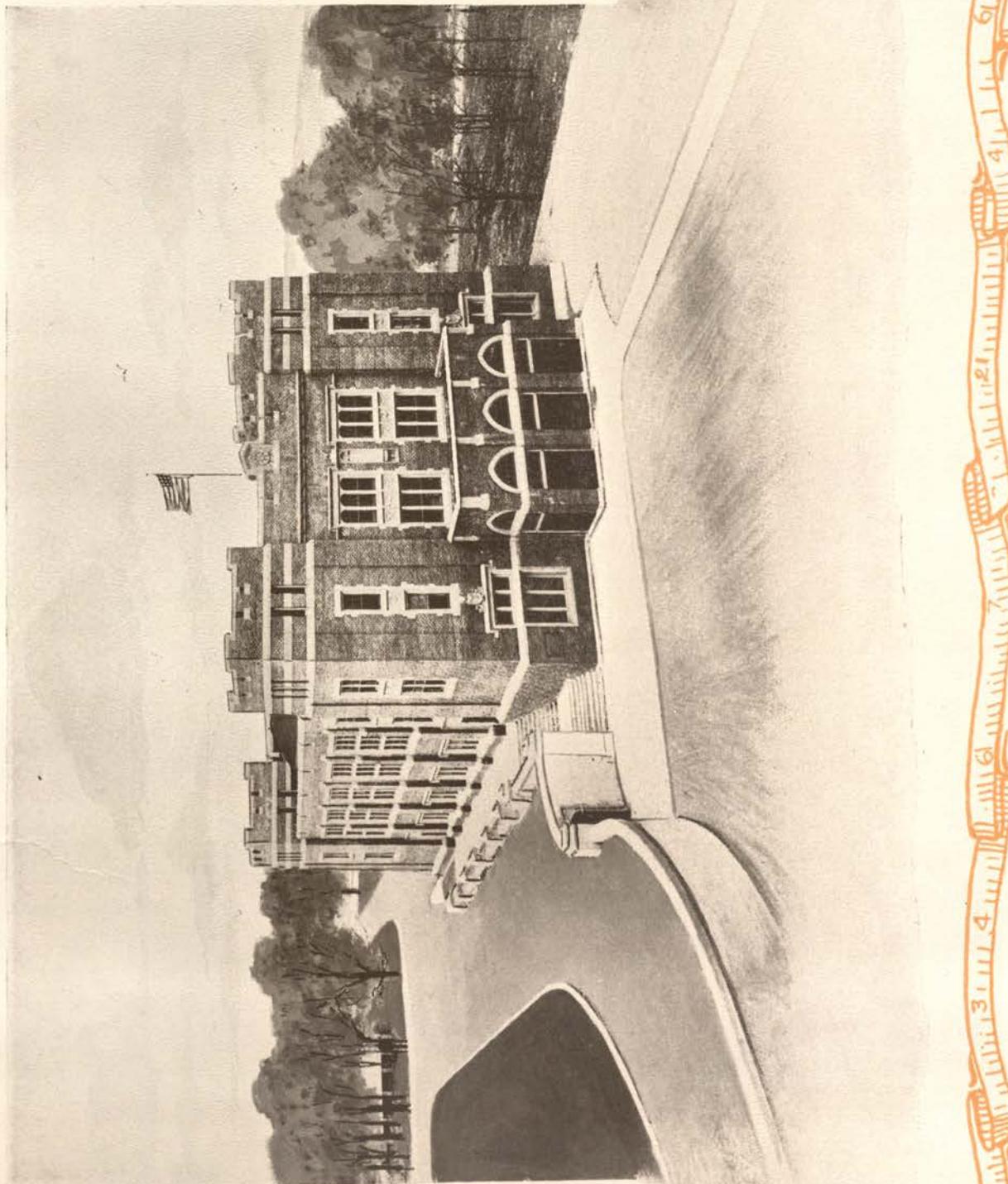
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# ROLLAMO



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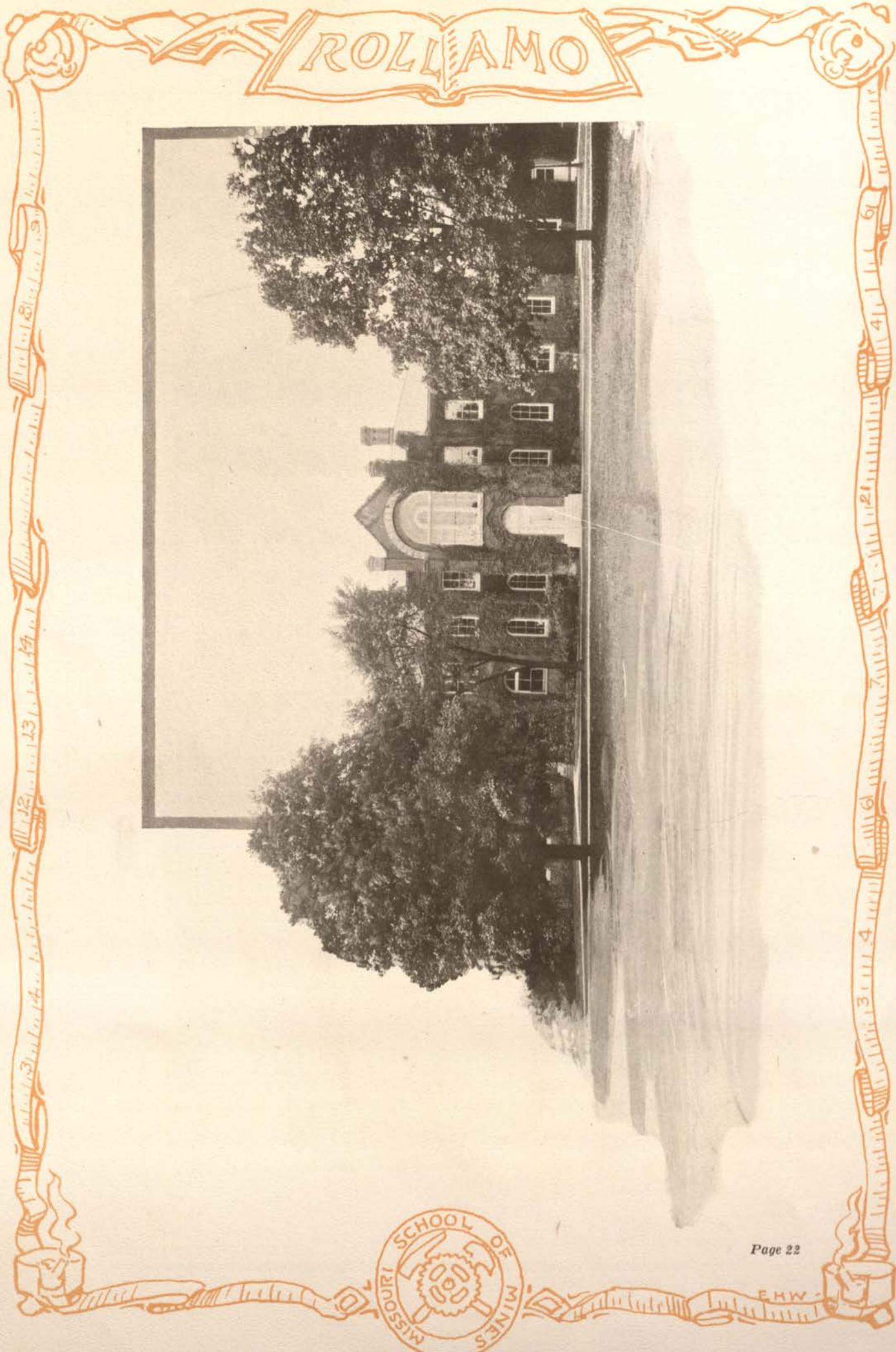
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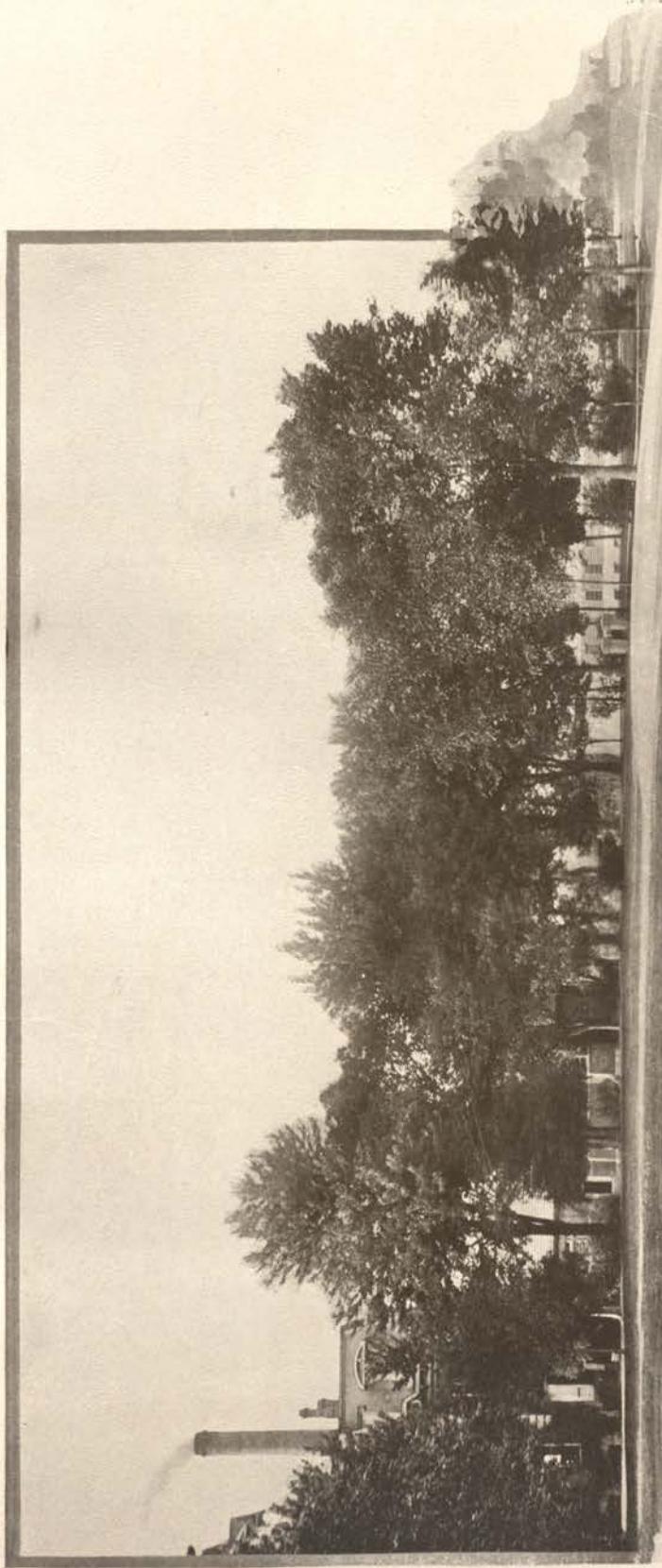
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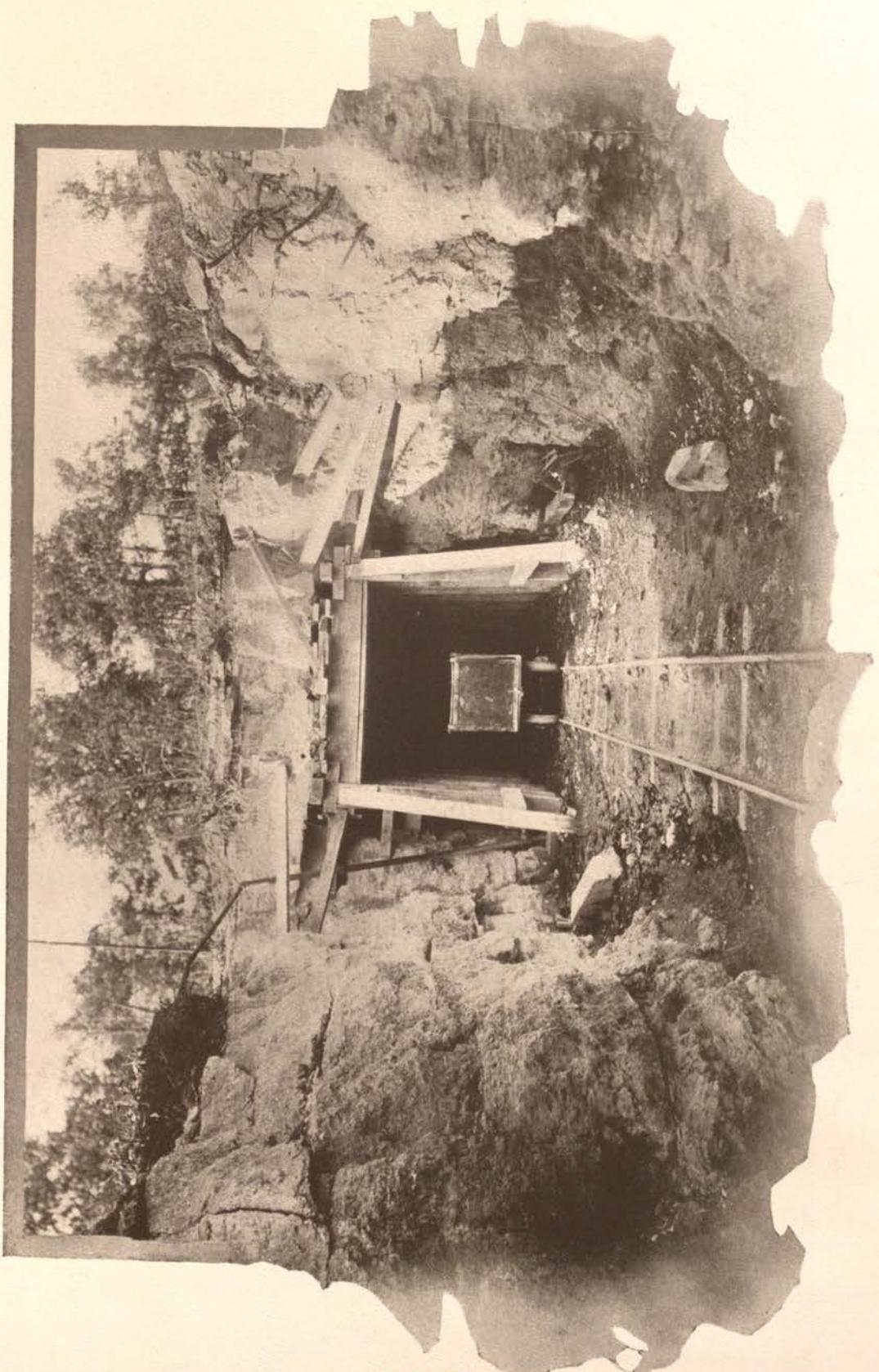


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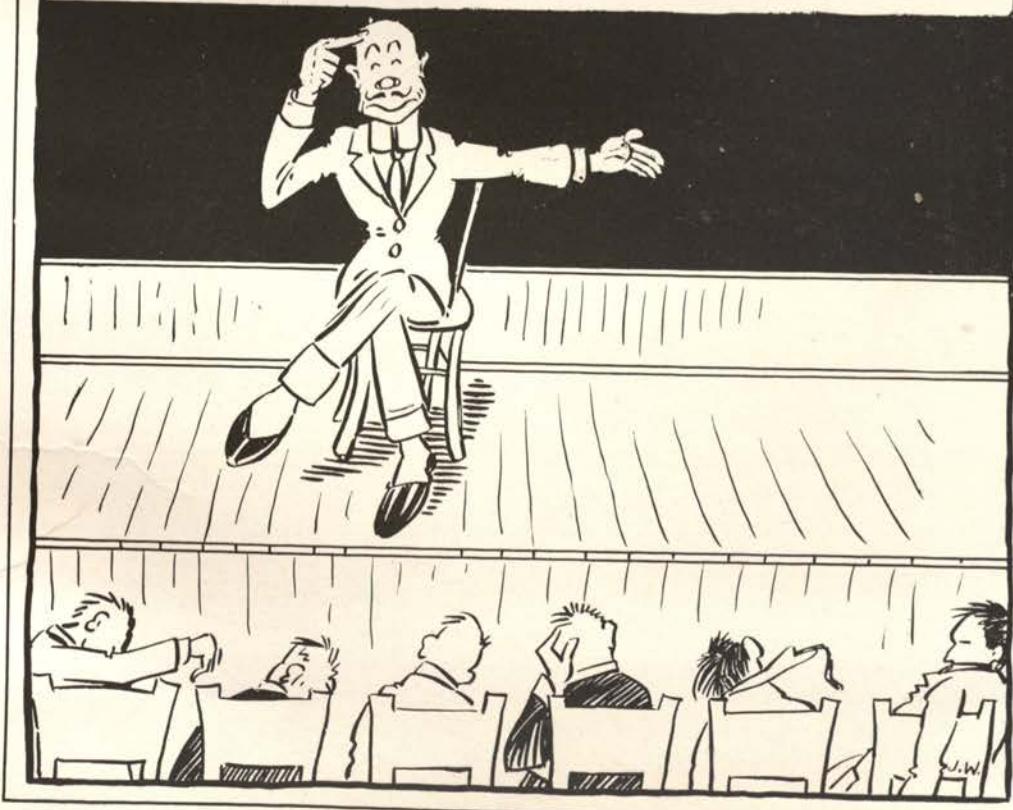
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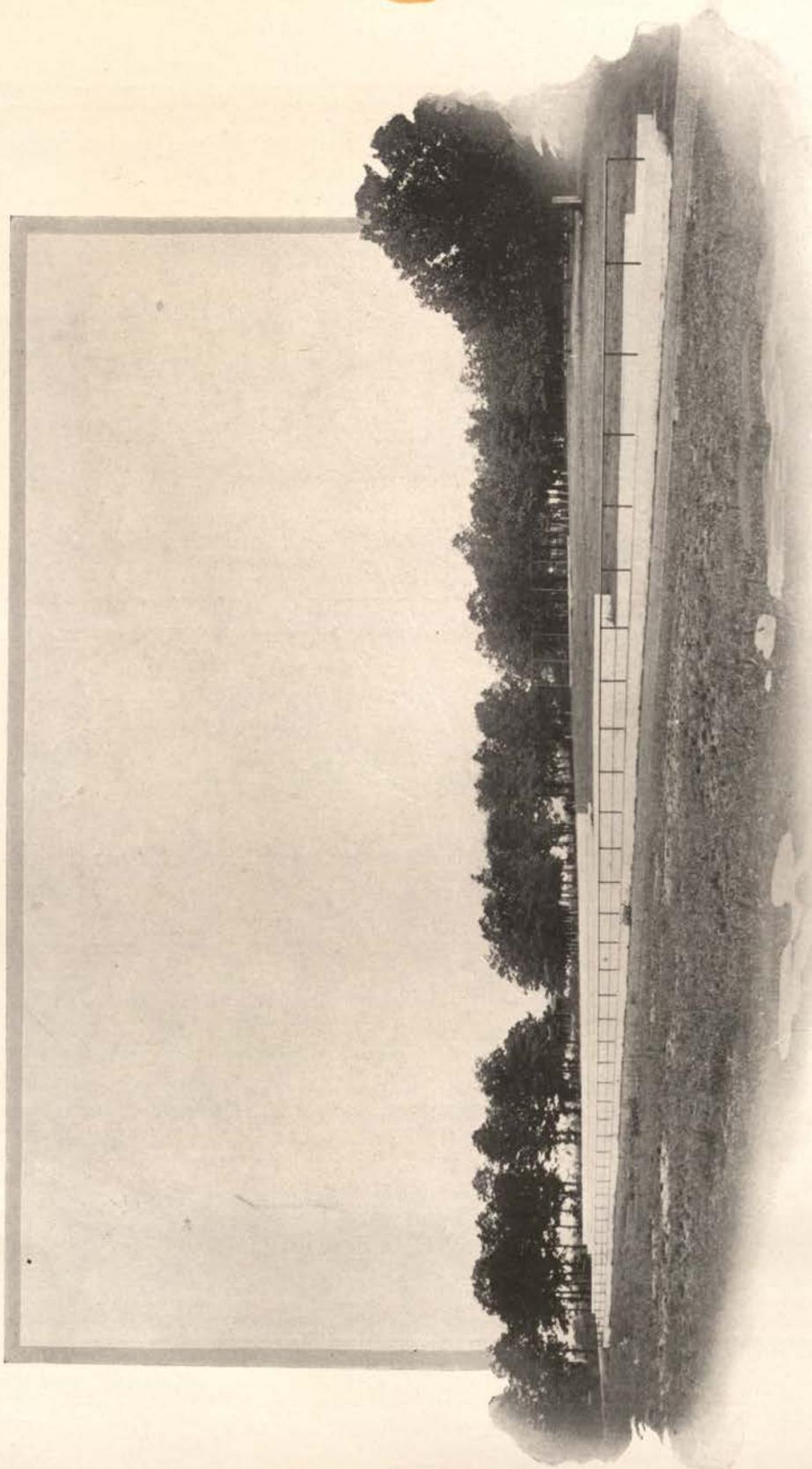
F.H.W.

ROLI AMO

# -Faculty



# ROLLAMO



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ROLL AMO



ALBERT ROSS HILL  
*President of the University*



# ROLLIAMO

## Dr. C. H. Fulton

Dr. Fulton was named Director of the Missouri School of Mines and Metallurgy as successor to Dr. McRae in June, 1920.

He is a man well known in the circles of Mining and Metallurgical industries. He received his E. M. at Columbia University in 1897. Since then he has held the chair of Professor of Metallurgy at the South Dakota State School of Mines and at the Case School of Applied Science. During most of his time at the South Dakota State School of Mines he was also President of that institution. At the present time Dr. Fulton is Consulting Metallurgist for the American Institute of Mining Engineers; a member of that institution; and a member of the Mining and Metallurgical Society of America.

With the experience of President at the South Dakota School of Mines and his practical knowledge of the field in which this school is most vitally interested, we feel sure that we have a man at the head of this school who is well fitted for the task and who will advance the institution.

Dr. Fulton has already proven to us that he deserves our co-operation in any plans which he has for benefiting the Missouri School of Mines and Metallurgy.



*ROLL AMO*



# ROLLA AMO

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Director of School of Mines . . . . .	C. H. FULTON



# ROLL AMO

Dr. A. L. McRae



Dr. McRae was director of the Missouri School of Mines from 1915 until June, 1920. Prior to that time he had been an Instructor in this school for nineteen years. During his term of service he has been extremely conscientious and ever zealous for the advancement of the school. He was at all times willing to render any assistance possible to the students. He was an ardent advocate of athletics and is yet greatly interested in all our contests.

We wish to extend the thanks of the student body to Dr. McRae for the achievements he had accomplished for the school.



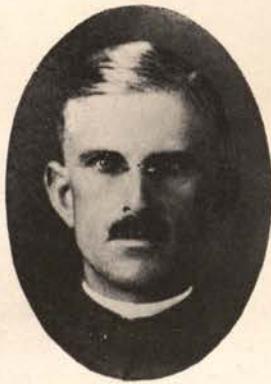
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American Society of Civil Engineers.



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Registrar Missouri School of Mines.



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Professor of Mine Engineering.



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Sigma Gamma Epsilon.  
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Member of Institute of Metals, London;  
American Institute of Mining and Metallurgical Engineers; Consulting Metallurgist,  
U. S. Bureau of Mines.



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Ph. D.

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Gamma Alpha.  
Professor of Geology and Mineralogy.



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Tau Beta Pi  
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Professor of Topographic Engineering.  
Washington Society of Engineers.  
Topographic Engineer, U. S. G. S.



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Associate Professor of Civil Engineering.  
Member of Society for Promotion of Engineering Education.



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Phi Delta Chi  
Associate Professor of Chemistry.  
American Chemical Society.



FREDERICK WILLIAM SHAW, M. D.  
Associate Professor of Hygiene.  
U. S. Army, 1910-1919, Graduate Student  
John Hopkins, Research Student Wm. Volker  
Research Laboratory, 1919.



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Secretary to the Faculty.



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Assistant Professor of Geology and Mineralogy.



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Assistant Professor of Geology.



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Delta Upsilon.  
Assistant Professor of Mechanical Engineering.



CLAIR VICTOR MANN, B. S.

Tau Beta Pi.  
Assistant Professor of Drawing, American Ass'n of Engineers, Society for Promotion of Eng. Education.



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B. S. (Gen. Sc.)  
Sigma Gamma Epsilon.

Instructor in Metallurgy, Research Metal-  
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CLARENCE EDWARD BARDSLEY, B. S.  
Assistant Professor of Topographical Engi-  
neering.



WARREN SCOTT BOYCE, A. B., A. M., Ph. D.  
Assistant Professor of Economics.



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Phi Delta Theta  
Instructor in Mathematics.



JOSEPH HENRY UNDERWOOD

Instructor in Forge Shop.



ARTHUR SCOTT

Master Sergeant, U. S. A.  
Instructor in Military Science and Tactics.



THOMAS MELLOR BAINS, E. M.

Beta Theta Pi, Tau Beta Pi, Sigma Xi.  
Military Order of Dragons.  
Instructor in Metallurgy.

# ROLI AMO



RALPH VINCENT PRITCHARD, B. S.  
Instructor in Mathematics.



JOE BEATY BUTLER, B. S.  
Instructor in Civil Engineering.  
American Ass'n of Engineers. Charter  
Member of Soc. of Am. Military Engineers.



OSCAR ADAM HENNING, A. B., A. M.  
Instructor in German.



PIERRE CELESTIN CAMBIARRÉ, A. B., Ph. B.  
Instructor in Spanish and French.



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Phi Kappa Phi  
Instructor in Chemistry.



VICTOR KOPPLE FISCHLOWITZ, B. S.  
Instructor in Chemistry.



EDMUND HAROLD WOOLRYCH

Kappa Sigma  
Instructor in Drawing.



# ROLLA MO

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BARNEY NUDELMAN, B. S.	Assistant in Chemistry
WILLIAM W. WEIGEL, B. S.	Assistant in Mining

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JOHN GROSS, Metallurgist	Rolla, Missouri
WILL H. COGHILL, Metallurgist	Platteville, Wisconsin
C. O. ANDERSON, Metallurgist	Platteville, Wisconsin
WALTER SCOTT, Ass't Metallurgist	Rolla, Missouri
NOLL HUBBARD, Chief Clerk	Rolla, Missouri
ALBERT L. JOHNS, Clerk	St. Louis, Missouri

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HUSTON TAYLOR, Chemistry	S. L. LLOYD, English
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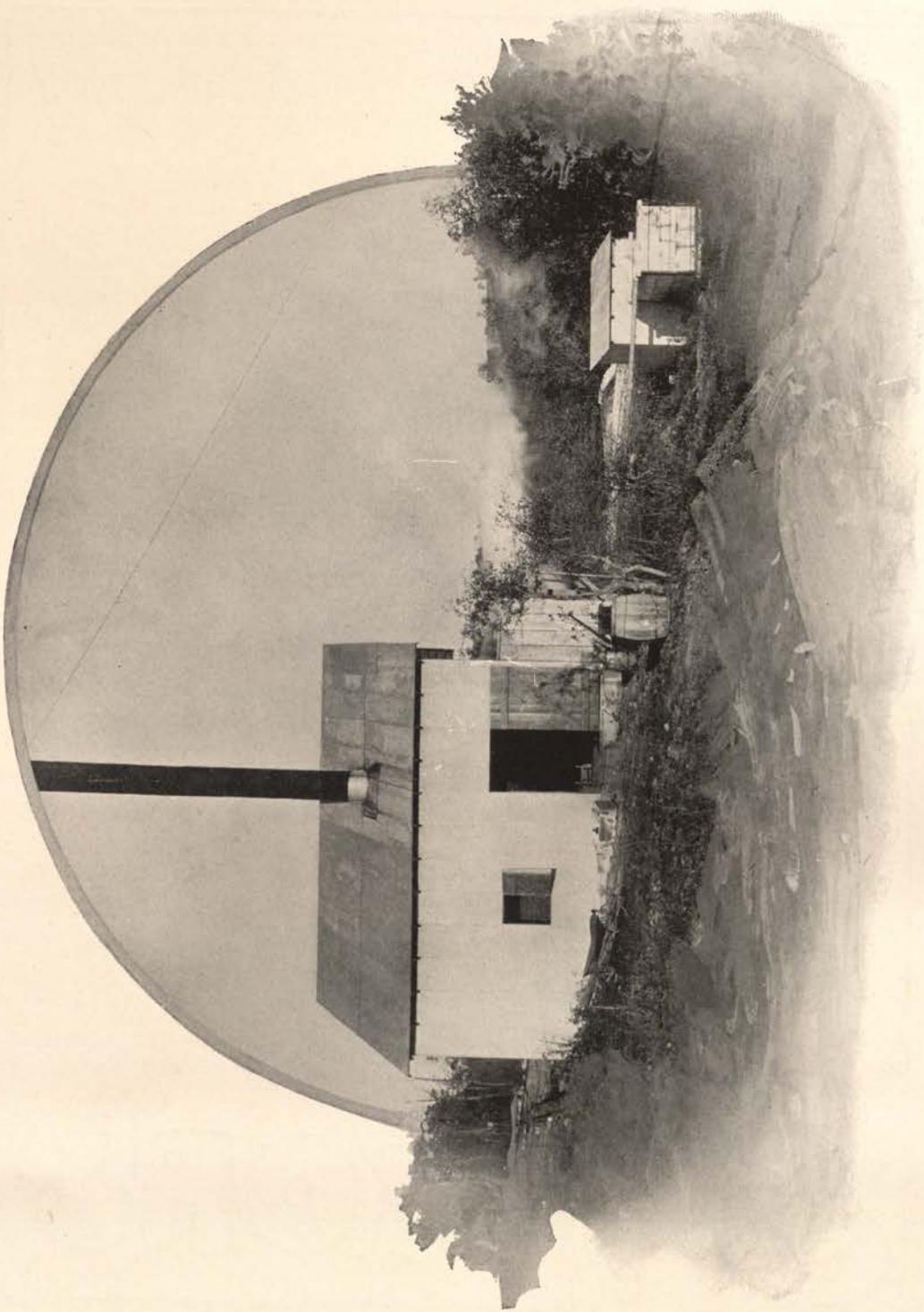
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JOE WILSON



ROLIAMO



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# ROLL AMO

## Senior Class Review



**H**E majority of our class entered school in the fall of '17, but since the war many men of former classes have returned to affiliate themselves with the class of '21.

As Freshmen, we took our share of hazing, as all good Freshmen should, and looked forward to the next year when, as Sophs, it would be our turn. The next fall, however, found the S. A. T. C. established in the school and we were able to administer instruction to the Frosh only on rare occasions.

We have always been represented in all branches of athletics. During this year the records made by Mort Wilson, Cairns (Captain), and White at football; Rohloff at basketball; and Needham and White in track are records that any class could be proud of.

As students, throughout our college career, we find that we have had representatives in the two extremes of the classes. The average of the class, as a whole, has ranked high.

Members of our class have always been leaders in all forms of school activities. We were among the leaders in the nationalizing of the Guards of St. Patrick and were the first Junior class to present the Guard of St. Patrick Pin or Emblem to the graduating class.

Strange is the feeling of each Senior as the time draws near for him to start out in the world and prove the value of a college education. As Freshmen, we envied the Seniors who were about to leave school, but now, as Seniors, we envy those undergraduates who will return again to M. S. M.

### OFFICERS

L. E. DAVIDSON	President
R. K. STROUP	Vice-President
V. I. KEETER	Secretary

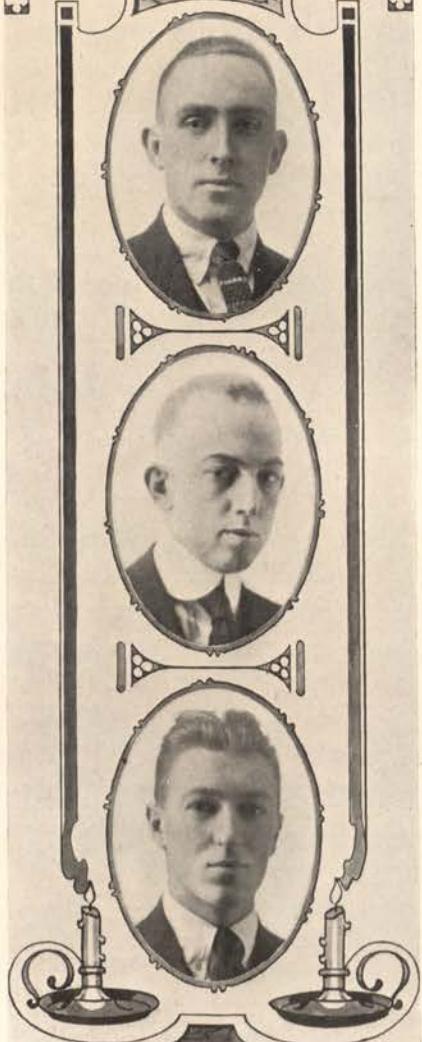
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	R. K. STROUP



# ROLLAMO

1921



HAROLD LELAND BAILEY

Virginia, Ill.

*Mine Engineering*

*Class 1920*

Pi Kappa Alpha, Theta Tau, Quo Vadis, Satyr, American Ass'n of Engineers, Student Council 1919, Pres. Athletic Board.

"Bill" is another one of our mid-year graduates. A practical man thru and thru and one on whom we can count to bring home the bacon. Would never disclose his middle name except on very special occasion. Was Prof. Forbes' right-hand man and spent most of his time in Mining Lab.

GEORGE BARNETT BLOOM

Maysville, Mo.

*General Science*

*Class 1920*

Kappa Alpha, Sigma Gamma Epsilon, Quo Vadis, Square and Compass, A. I. M. & M. E., Editor Rollamo 1920, Pres. Student Council '20, Tennis Team 1920, Student Instructor Mineralogy in 1920.

"Blossom" graduated in December and fell for the army life. He just couldn't stay out of the clouds. He is now flying at Carlstrom Field in Florida. Bloom was here last summer and admitted that he enjoyed every minute of the time.

EDWIN JOSEPH BOHN

St. Louis, Mo.

*Civil Engineering*

*Class 1921*

Kappa Alpha, Quo Vadis, A. A. E., Mercier Club, "M" Football '17, '18, Honorary "M" 1920, "M" Basketball '19, '20, "M" Track '19, '20, Captain Basketball 1919-'20, Elected Captain Track 1920-'21.

"Eddie" left us in November '20, but his influence will long be felt in the school. The Memorial that we are erecting to him but slightly expresses the high regard which we have for him.



# ROLLAMO

KARL WILLIAM BOOKER      Kansas City, Mo.  
*Mine Engineering*      *Class 1921*

Pi Kappa Alpha, Press Club, Square and Compass, Student Council '20, American Ass'n of Engineers, Mo. Mining Ass'n, A. I. M. & M. E. Miner Board '20, '21.

"Book" hails from Kansas City, but has tried to live that down by his work on the Miner Board. Is a hard and consistent worker. A real student and a strong supporter of all school activities. Has been known to visit Cuba with alarming regularity. Has no inclination to argue.

CARROLL PRESTON BURFORD      Beaumont, Texas  
*Mine Engineering*      *Class 1921*

Pi Kappa Alpha, American Ass'n of Engineers, A. I. M. & M. E., Rollamo Board '20.

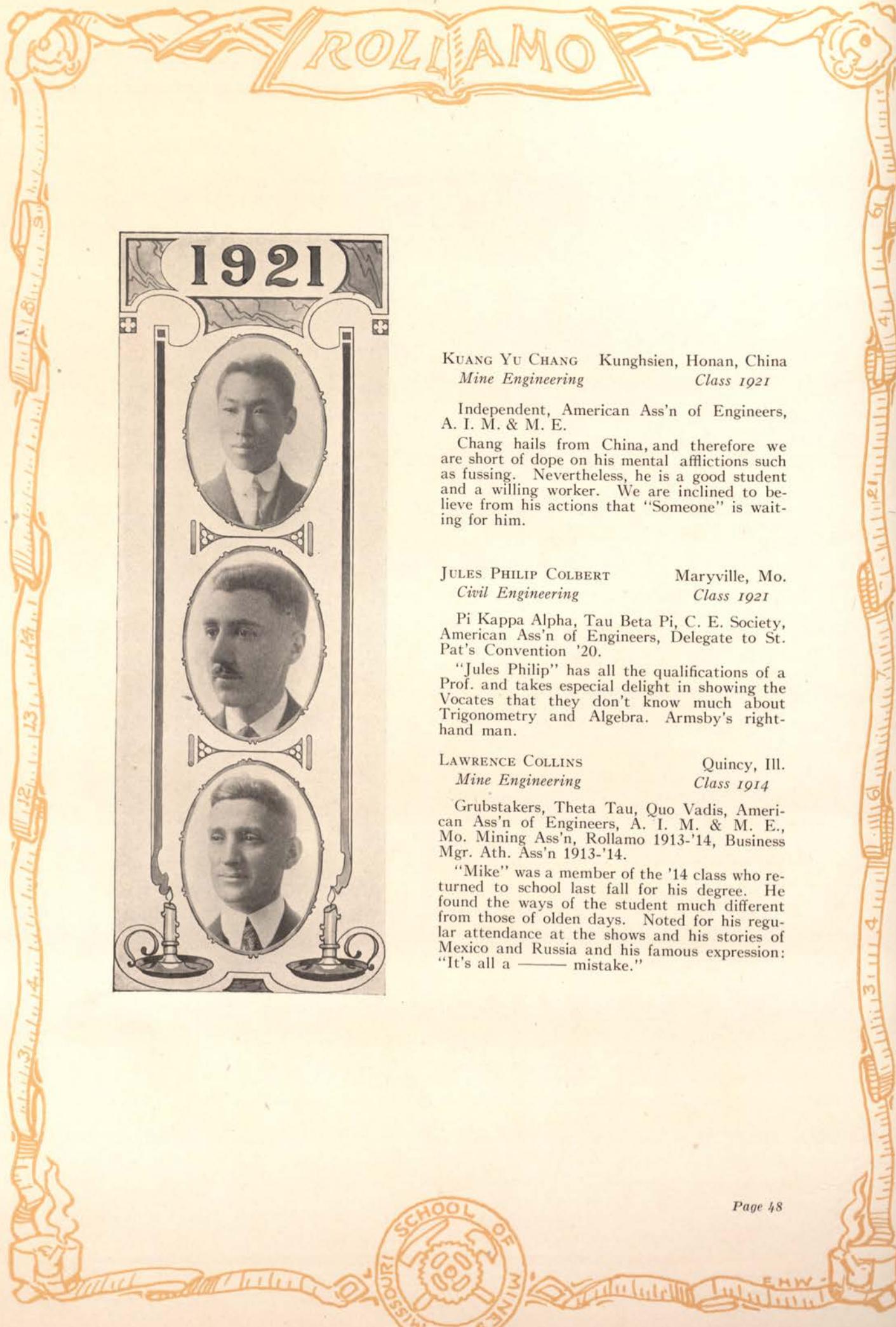
No one seems to know just how he acquired the good old Spanish name of "Bobo," but Dame Rumor has it that he was a gun in Descrip. Is one of our most consistent and nonpartial fussers.

ARTHUR L. CAIRNS      Cape Girardeau, Mo.  
*Metallurgy*      *Class 1920*

Sigma Nu, Pipe and Bowl Club, Captain Football Team '20, "M" in Football in '17-'18-'19-'20.

Buddy voluntarily incarcerated himself for life early in the Football season. Won his fourth letter in football in '20. Has some expectations of being a Met. Engr.





# ROLLAMO

1921



KUANG YU CHANG Kunghsien, Honan, China  
Mine Engineering Class 1921

Independent, American Ass'n of Engineers,  
A. I. M. & M. E.

Chang hails from China, and therefore we are short of dope on his mental afflictions such as fussing. Nevertheless, he is a good student and a willing worker. We are inclined to believe from his actions that "Someone" is waiting for him.



JULES PHILIP COLBERT Maryville, Mo.  
Civil Engineering Class 1921

Pi Kappa Alpha, Tau Beta Pi, C. E. Society,  
American Ass'n of Engineers, Delegate to St.  
Pat's Convention '20.

"Jules Philip" has all the qualifications of a Prof. and takes especial delight in showing the Vocates that they don't know much about Trigonometry and Algebra. Armsby's right-hand man.



LAWRENCE COLLINS Quincy, Ill.  
Mine Engineering Class 1914

Grubstakers, Theta Tau, Quo Vadis, Ameri-  
can Ass'n of Engineers, A. I. M. & M. E.,  
Mo. Mining Ass'n, Rollamo 1913-'14, Business  
Mgr. Ath. Ass'n 1913-'14.

"Mike" was a member of the '14 class who re-  
turned to school last fall for his degree. He  
found the ways of the student much different  
from those of olden days. Noted for his regu-  
lar attendance at the shows and his stories of  
Mexico and Russia and his famous expression:  
"It's all a —— mistake."



# ROLLAMO

1921

BENJAMIN S. CORNWELL  
*Mine Engineering*

St. Louis, Mo.  
*Class 1921*

Pi Kappa Alpha, Sigma Gamma Epsilon,  
American Ass'n of Engineers, Mo. Mining Ass'n.,  
A. I. M. & M. E.

"Bennie" was in the navy, but he had a friend  
who was a pilot in the Cavalry. As a "fusser"  
we can't hand him much, but that is the girls'  
hard luck and not his.

WAYMAN CROW  
*Metallurgy*

St. Louis, Mo.  
*Class 1919*

Kappa Alpha, American Ass'n of Engineers,  
A. I. M. & M. E., Chem. and Met. Society;  
Miner Board 1917.

Crow spent some few years in the army and  
returned to school in 1919. He has been working  
under "Boots" since he came back and is  
now quite a metallurgist and well known as an  
Electrical Engineer.

LEWIS ELY DAVIDSON  
*Mine Engineering*

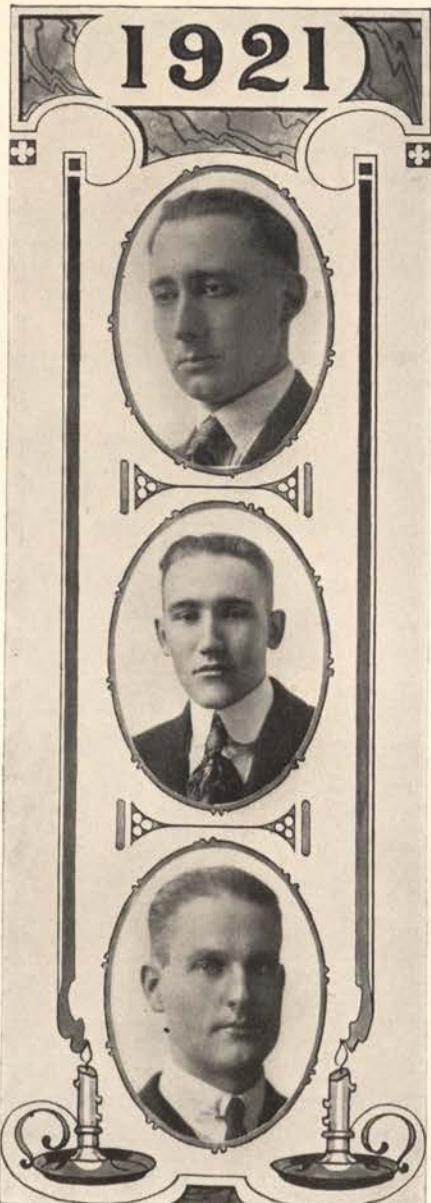
Savannah, Mo.  
*Class 1918*

Prospectors, Phi Kappa Phi, Tau Beta Pi, Theta  
Tau, American Ass'n of Engineers, President  
Senior Class, Rollamo Board '19-'20, A. I. M. &  
M. E.

Will probably be a geologist. Spent last summer  
chasing "Ruby Doux" over the Ozarks.  
Says he found several excellent specimens, but  
can show no conclusive evidence. Metamorphically  
speaking, occurs locally in contact with  
Hurst and Bailey.



# ROLLO AMO



AUGUST FRANCIS DELALOYE  
*Mine Engineering*

Rolla, Mo.  
Class 1921

Independent, J. Q., American Ass'n of Engineers, Mo. Mining Ass'n., A. I. M. & M. E., Pres. Junior Class '20, Bus. Mgr. Athletic Ass'n '19-'20.

"Gus" is an Ozark product and is generally seen in "Lights" with his pipe in one hand and a cue in the other. Sometimes he has been known to tote a book around. He is Bob Dickerson's chief flunkie, and was never known to bother the skirts. Also an authority on "home brew."

WILLIAM R. DENISON  
*Civil Engineering*

Rolla, Mo.  
Class 1921

Bonanza Club, American Ass'n of Engineers, Mo. Highway Engineers' Ass'n.

"Pride of the Ozarks." Has a tendency toward the gentle art of fussing, especially within "The" family! Aspires to the position of county surveyor in 1945.

JOHN R. FIEDLER  
*Mine Engineering*

Shelbyville, Ind.  
Class 1921

Pi Kappa Alpha, Theta Tau, American Ass'n of Engineers, A. I. M. & M. E., Mo. Mining Ass'n.

Fiedler returned to school after service in the army and several years of practical experience, but never allowed that to affect him as he got back into the "swim" very easily. Is one of the few in school this year who miss the good old days.



# ROLLA MO

1921



VICTOR K. FISCHLOWITZ  
*Chemical Engineering*

St. Louis, Mo.  
Class 1920

Independent, Metallurgy and Chemical Society.

"Fish" hasn't left Rolla for two years but once. He was sure lucky that time, though, for he brought back his "better half." He now spends his time in trying to penetrate the domes of some of the Sophomore Chemists.

PERCY G. FORMAN  
*Mine Engineering*

Sasakwa, Okla.  
Class 1920

Pi Kappa Alpha.

Percy is another one of those whom fate has led astray. Is also one of those quiet, unobtrusive fellows who is always ready to shoulder his share of the work and is sure to do it to the best of his ability. Can be seen most any time of the day carrying home groceries or getting in wood.

EARL MCKINLEY GUY  
*Mine Engineering*

Davenport, Iowa  
Class 1921

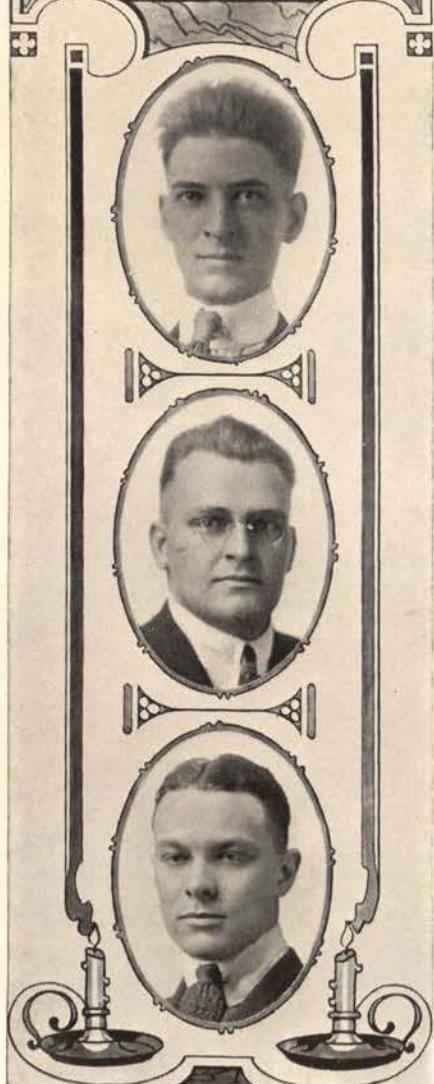
Bonanza, Square and Compass, Star and Garter, Satyr, American Ass'n of Engineers, Missouri Mining and Metallurgical Ass'n., Pres. of Trowel Club '19-'20.

One of the shortcomings of Davenport. Caruso of the Country Club. Usually seen looking for something that he has lost.



# ROLLEAMO

1921



ABNER DECKER HAHN  
*Mine Engineering*

Muscatine, Iowa  
*Class 1921*

Independent.

Hahn became a member of the Benedictines of M. S. M. before he was half thru school. Is a frequent visitor to the library and picture show with his better half as company. Was quite a gun in the S. A. T. C.

BERNARD ELY HAMMER  
*Mine Engineering*

Stanton, Mo.  
*Class 1921*

Pi Kappa Alpha, American Ass'n of Engineers, A. I. M. & M. E., Square and Compass.

A burner of the midnight oil for more than one reason. Ben likes to travel, but doesn't believe in railroad fares. May be found at H. & S. when the high six is not in session.

WILLIAM F. HOKE  
*Mine Engineering*

Lee's Summit, Mo.  
*Class 1921*

Kappa Sigma.

This handsome gentleman came from Drury to this place in order to become an engineer. Can always be found at the dances and is a very popular man among both sexes. He who loves not the women, wine and song had might as well be dead all his life long.



# ROLI AMO'

HOMER A. HOLLINGSHEAD  
*Mine Engineering*

Hannibal, Mo.  
*Class 1921*

Sigma Nu, American Ass'n of Engineers, Mo.  
Mining Ass'n., A. I. M. & M. E.

Formerly of Hannibal, but grew ashamed to admit it so he claims St. Joseph now. Is reported to have made regular trips to St. Louis and then stopped suddenly. Is trying to re-establish his fame as a pugilist.

DANIEL E. HUFFMAN, JR. St. Louis, Mo.  
*Metallurgy* Class 1921

Independent, Square and Compass, Press Club, Miner Board, Methodist Engineers.

"Little Eva" is a Mining Engineer and has been of great assistance to the Physics Department in his investigations of the electrical fields in the bottom of the Frisco Pond. His chief pride is the little growth which he has so faithfully nurtured on his upper lip. Is going to China when he learns all there is to be learned here.

HARRY H. HUGHES, JR.      Santa Monica, Calif.  
*Mine Engineering*      *Class 1921*

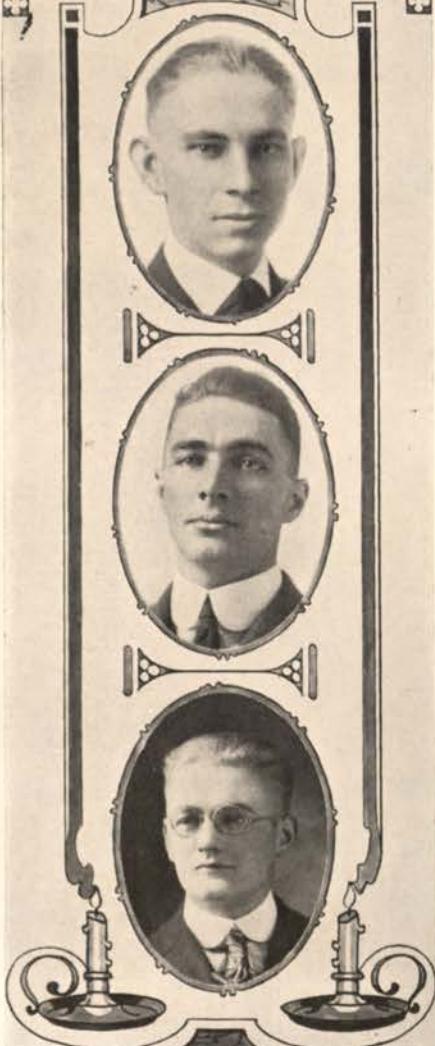
Pi Kappa Alpha, Satyr, Pipe and Bowl,  
American Ass'n of Engineers, A. I. M. & M. E.

"Bus" hasn't anything against studying but just hasn't the time for it. Takes particular delight in smokers and has been known to make several trips to the Fair Grounds. Has some hopes of becoming a Mine Engineer.



# ROLLAMO

1921



HAROLD W. HURD  
*Mine Engineering*

Paris, Mo.  
*Class 1919*

Lambda Chi Alpha.

We always thought Hurd was from Paris, France, until one day we asked him about his birthplace. All the girls were wild about him, and now that he has left us they visit the P. O. every day. (They did this before he left, too.) Probably spends his time and money buying postage stamps.

HENRY W. HURST  
*Mine Engineering*

Kansas City, Mo.  
*Class 1921*

Prospectors, Theta Tau, American Ass'n of Engineers, A. I. M. & M. E., Square and Compass, Student Council '20, Rollamo Board '20.

"Hank" hails from K. C., but claims good old U. S. A. as his home. One of the few remaining members of the "Old School." For character reference, see Bailey or Davidson.

ROBERT E. ILLIDGE  
*Mine Engineering*

Corbett, Oregon  
*Class 1920*

Prospector, J. Q., Mercier Club.

Speaks Chinese. Readily gained his greatest reputation as a fuzzer. Made the fatal leap and is now a "life-terminer." The man who originated the laugh and brought it to its highest degree of development.



# ROLLO AMO

1921

RICHARD L. JOHNSON  
*Metallurgy*

Henryetta, Okla.  
*Class 1921*

Kappa Sigma, American Ass'n of Engineers,  
A. I. M. & M. E.

Johnson is known to everybody as Dick and also knows everyone in Rolla. Always keeps an eagle eye on his suitcase when returning to Rolla. He must have killed a dear out of season as he is always getting letters from the Game Department. Forgets that the K. Z. house is his home when a certain girl is in town. We would say "Little Joe" as well as "Little Dick."

W. W. KEELER  
*Mine Engineering*

Tulsa, Okla.  
*Class 1921*

Kappa Sigma, Sigma Gamma Epsilon, A. I. M. & M. E.

Known to his friends as Pb. O. Never known to move faster than a walk. Reads the latest fiction and makes up a lot. Rolla's girls offer no attraction to Keeler. We wonder why?

VERNON I. KEETER  
*Electrical Engineering*

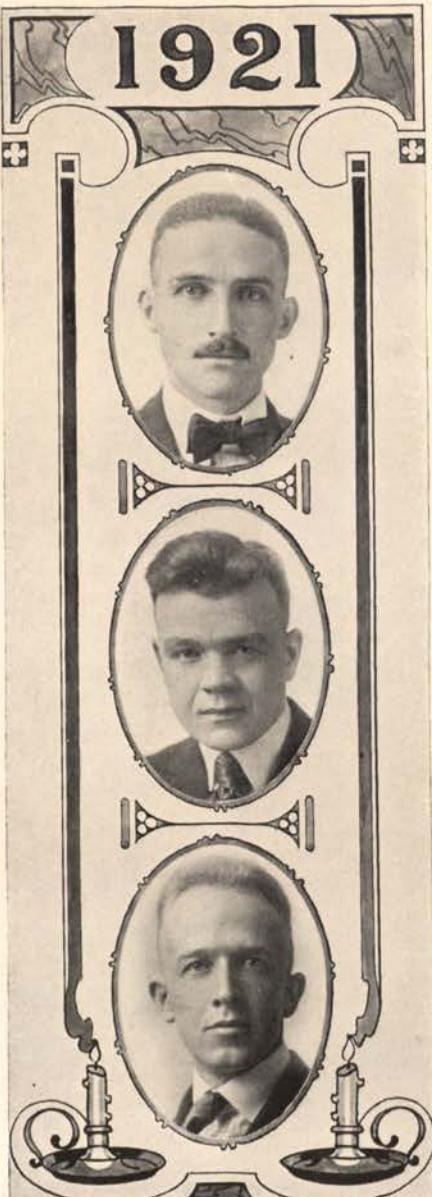
Maysville, Mo.  
*Class 1921*

Kappa Sigma, Satyr, Square and Compass.

"Baldy" is the pride of Maysville. Spends his time reading meters and the popular magazines. Is working on a formula for growing hair on a billiard ball. Didn't come very far from being a mosquito.



# ROLLEAMO



HOMER CHALMERS KERR

*Mine Engineering*

Rolla, Mo.

*Class 1921*

Independent, Satyr, American Ass'n of Engineers, Miner Board '18-'19-'20.

Kerr is also a home-grown product and can be located at Scott's Drug Store or on Salem Avenue. When he fails in his Mine Engineering we suspect that he will lecture on "The Art of Love-making." He is proficient in this line, and many recommendations can be had upon application.

ALBERT CHARLES LAUN

*Chemical Engineering*

St. James, Mo.

*Class 1921*

Lambda Chi Alpha, Satyr, Square and Compass, Met. and Chem. Society.

"Fat" is from St. James but says that he can't help it.

HIRAM PETTIBONE LAWRENCE Norfolk, Conn.

*Metallurgy*

*Class 1921*

Independent, Mercier Club.

"Hi" is an Easterner who fell for one of our Rolla girls. Now a Vocate, and spends his time assaying and rolling the bones at the H. & S.



# ROLI AMO

LEWIS E. W. LEPPER      Marlboro, Mass.  
*Mine Engineering*                  Class 1914

Beta Theta Pi, Sigma Gamma Epsilon, Square and Compass, "M" Football '13.

Lepper attended Colgate in 1912 and in 1913 made his letter here in Football. And now "Poicey" is back with us again as a Vocational Man, with the Miner pep.

LLOYD EARL LUMPKIN      Jefferson City, Mo.  
*Electrical Engineering*                  Class 1921

Bonanza Club, American Association of Engineers.

Lloyd Earl Lumpkin—the boy with the long-flowing locks. Spends most of his time debating with BeDell as to whether Jeff City or St. Louis is the more corrupt. "Lumpy" generally wins on Jeff City.

HENG YUNG MA      Amyang, Honan, China  
*Mine Engineering*                  Class 1921

Independent, American Institute of Mining and Metallurgical Engineers.

Ma also comes to us from the Eastern Continent. He is a great believer in Frame's course in E. E. and H. & S. Pool Hall. He is also chief critic on the Junior Class Lyceum Course Committee.



# ROLLAMO

1921



CHARLES JAMES MILLAR  
*Chemical Engineering*

Webb City, Mo.  
*Class 1920*

Sigma Nu, Pipe and Bowl Club, Student Assistant in Department of Special Research.

"Liz" graduated at Christmas, but likes to study so well that he is still here. At present he is faithfully guarding the "Student's Health" with the able assistance of Dr. Shaw.

EDWIN LAWRENCE MILLER, JR. Kansas City, Mo.  
*Mine Engineering*  
*Class 1921*

Pi Kappa Alpha, Press Club, American Ass'n of Engineers, A. I. M. & M. E., Square and Compass, Miner Staff 1919-1920, Editor Miner 1921, Missouri Mining Association.

"Schnutze" left us in December after an interrupted college career dating back to 1914. Was a gun in Descript. Joined the ranks of the benedicts shortly before leaving school, thus gaining extra credit in "fussing" laboratory.

CHARLES R. MIZE  
*Mine Engineering*  
Independence, Mo.  
*Class 1921*

Kappa Sigma, Tau Beta Pi, Sigma Gamma Epsilon, A. I. M. & M. E., Satyr.

Started his quest for knowledge in 1912, left school in 1913 and did not return until he had distinguished himself in the World War. He returned in 1919 and completed his course at Christmas. Upon graduation he joined the Field Artillery and is working for Uncle Sam again.



# ROLLAMO

1921



HERBERT W. MUNDT  
*Mine Engineering*

St. Louis, Mo.  
*Class 1920*

Prospector, J. Q., Square and Compass,  
Mo. Met. and Mining Ass'n.

The man with the "Bill Hart" physiognomy.  
Quick on the draw and doesn't miss. One  
of the few men who haven't made a mistake—  
as yet. "By the way, loan me a cigarette."

HERMAN MUTZ  
*Mine Engineering*

Elizabethtown, N. Mex.  
*Class 1921*

Prospector, Theta Tau, Mercier Club, J. Q.,  
Mo. Met. and Mining Ass'n.

Mutz was some worker and surprised the  
Profs by getting out of school sooner than they  
had expected. Also surprised us by getting  
married as soon as he was out of school.

ALBERT B. NEEDHAM  
*Mine Engineering*

Collinsville, Ill.  
*Class 1921*

Lambda Chi Alpha, Sigma Gamma Epsilon,  
Quo Vadis, A. I. M. & M. E., Rollamo Board  
'20, St. Pat 1920, Vice-President Class '20,  
"M" in Track '20.

"Squeek" has done a little of everything since  
coming to Rolla, and now we hear that he is  
going to Oklahoma as Instructor in Calculus,  
Ore Dressing and Surveying. Has made the  
discovery that "The Moon is Beaming."



# ROLLO AMO



W.M. FERDINAND NETZEBAND St. Louis, Mo.  
*Mine Engineering*  
*Class 1921*

Grubstakers, Tau Beta Pi, Phi Kappa Phi American Ass'n of Engineers, A. I. M. & M. E., Mining Ass'n, Miner Board '19, '20, '21.

Bill hails from St. Louis and won his letter in Mineralogy. Quiet and studious to the extreme. Never fussed much in Rolla, but was seen with one of the fair ones in the city. Always has been a willing worker in student activities. Just mention "Kris" to Bill and watch him blush.

HOWARD OLIVER NORVILLE Beardstown, Ill.  
*Mine Engineering*  
*Class 1921*

Pi Kappa Alpha, Theta Tau, Square and Compass, Editor in Chief "Miner" 1921, A. I. M. & M. E., Mo. Met. and Mining Ass'n, Student Council 1919-'20.

"H. O." is one of the erring and another of our mid-year graduates. Liked Rolla so well he continued to stay after his graduation to edit the Miner and to assist H. & S. to rake in the students' extra "shekels." Has some hopes of becoming a Mine Engineer.

BARNEY NUDELMAN St. Louis, Mo.  
*Chemical Engineering*  
*Class 1921*

Prospectors, Phi Kappa Phi, Met. and Chem. Society, Diphenyl Dozen.

Barney is now doing P. G. work, looking towards a position as assistant beaker boy. Would be a musician, but the necessity of impressing chemistry on the "Frosh" occupies too much of his time.



# ROLI AMO

HAROLD FORD PATTERSON      Warrensburg, Mo.  
*Mine Engineering*                  *Class 1921*

Sigma Nu, American Association of Engineers.

"Handsome Harold," is one of Rolla's high-powered "fussers." Taking several correspondence courses now. Only man in school that ever outran Fred White. Prefers Buicks.

Lambda Chi Alpha, Sigma Kappa Zeta,  
Sigma Gamma Epsilon, "M" in Basketball  
1920, 1921.

"Dizzy" is one of our star Basketball men and we are sorry that he is going to coach a rival team next year. He is another Missourian that has been corrupted by cash and is going to Oklahoma.

JULIUS C. SALMON, JR. Rayville, La.  
*Mine Engineering* Class 1921

Bonanza Club, Quo Vadis, Mo. Mining Ass'n,  
A. I. M. & M. E.

"Fish" says he knows geology, but isn't going to put it out until he gets paid for it. Has burned the candle at both ends and has had good (?) results.



# ROLLA MO



LEON B. SCHUMACHER  
*Metallurgy*

St. Louis, Mo.  
*Class 1921*

Kappa Sigma, A. I. M. & M. E., American Ass'n of Engineers, Star and Garter.

"Schumi" is a typical St. Louis product. Does not seem to realize that he is in Rolla. Wonders why the Rolla girls want to kiss him when he takes them home from a dance. Well, you know he's good-looking and girls will be girls.

SAMUEL N. SHANFELD  
*Chemical Engineering*

St. Louis, Mo.  
*Class 1921*

Prospectors, Tau Beta Pi, Met. and Chem. Society.

Very quiet and unassuming. Exceedingly modest in presence of ladies. Successfully concealed his baser instincts until his record was established as a student and then overnight blossomed into an unexcelled ladies' man.

H. P. SHIH  
*Metallurgy*

Chi Yuan, Honan, China  
*Class 1921*

Independent, Tau Beta Pi, A. I. M. & M. E., American Ass'n of Engineers.

"Mike" has the distinction of being one of the few foreign members of Tau Beta Pi. He received his degree as a Christmas present in 1921 and has gone forth to make his fortune. Also received his B. S. degree in pool lab. shortly after he came, but gave it up finally for the more ardent love for picture shows.



# ROLLOAMO

WILLIAM LINCOLN STEWART Pittsburgh, Pa.  
*Mine Engineering* *Class 1921*

Pi Kappa Alpha, Tau Beta Pi, Phi Kappa Phi, Pipe and Bowl Club, Star and Carter.

Altho "Bill" is one of the guns of the class, he doesn't allow his studies to interfere with his college education. Has plenty of school spirit and pep and is a loyal supporter of all school activities. When not fussing he spends his time at school.

ROBERT KNOX STROUP Quincy, Ill.  
*Mine Engineering* *Class 1920*

Grubstakers, Theta Tau, Tau Beta Pi, Mo. Mining Ass'n, American Ass'n of Engineers, A. I. M. & M. E., Miner Board, '17-'18.

"Old Politician Bob" is so called because he can argue religion and politics by the hour. His exact religion is unknown, but it is thought that he is inclined towards Mormonism. He made his social splash this year, but since then he has not bothered the "400" any. He also gained some renown as a baggage smasher. A jolly good fellow after all is said.

RICHARD JOHN STROUP Quincy, Ill.  
*Mine Engineering* *Class 1918*

Grubstakers, Theta Tau, Tau Beta Pi, Mo. Mining Ass'n, American Ass'n of Engineers, A. I. M. & M. E.

"Dick" Stroup is known more generally as the "Gob," due to his peculiar walk acquired while in the Navy. Occasionally seen at the School of Mines caring for the Mine Surveyors. Never known to fuss in Rolla.



# ROLLA MO



HUSTON TAYLOR  
*Chemical Engineering*

Rolla, Mo.  
*Class 1921*

Kappa Sigma, Satyr, Met. and Chem. Society, Diphenyl Dozen, Miner Board '17-'18-'19, St. Pat in 1918, Pres. Met. and Chem. '21.

Better known as "Porky." A real politician and sooner or later gets things his way. Can borrow seventeen hundred dollars on a dime. Imports his friends from Lebanon and shows unusually good taste. Is not so very large, but then you know what comes in small packages.

H. F. VALENTINE  
*Mine Engineering*

Marshall, Mo.  
*Class 1921*

Bonanza, Sigma Gamma Epsilon.

Valentine spent several years working for Uncle Sam and as a reward for his services he has been given Vocational Training. He worked a miracle in producing 60 beads which he had obtained when here at a former date. He parted and weighed these, checking all but three.

MILTON W. WALLACE  
*Electrical Engineering*

E. Orange, N. J.  
*Class 1921*

Grubstakers, American Ass'n of Engineers.

"Milt" is a true son of the East; came west to inhale Western Brand of Knowledge. He can always be found playing pinochle when not studying E. E. Was once known to fuss one of the fair sex in Rolla.



# ROLI AMO

FRED POPE WHITE  
*Mine Engineering*

Ft. Worth, Texas  
*Class 1921*

Kappa Sigma, Square and Compass. Football '16-'19-'20; Basketball '17; Track '17-'19-'20; Capt.-elect of Track 1921.

"Nubian" would not be happy unless he could start a rough house every day. Is very unhappy if he does not receive his yellow letter from Lindenwood daily. We wonder if she knows him as well as we do. A fast man on the track.

ANVIL CLARK WILLIAMS  
*Civil Engineering*

Sullivan, Mo.  
*Class 1921*

Pi Kappa Alpha, Tau Beta Pi, Theta Tau, Phi Kappa Phi, American Ass'n of Engineers.

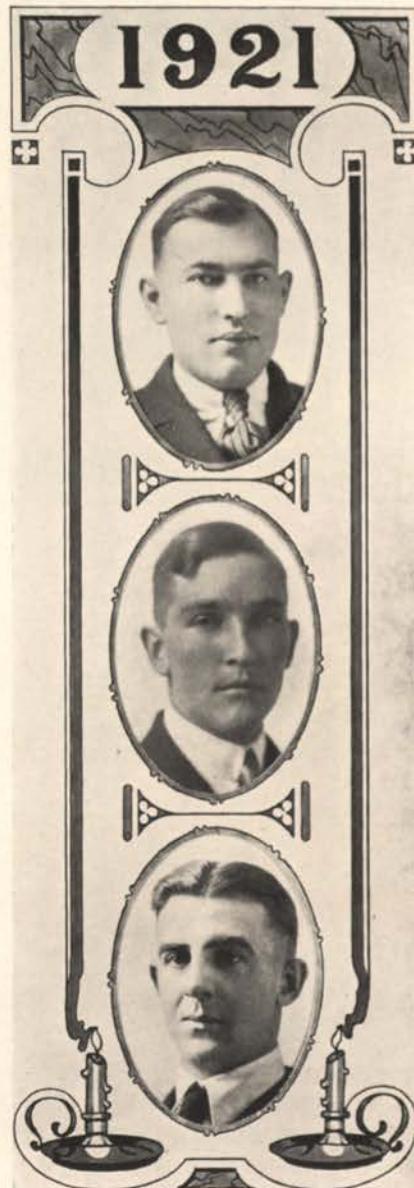
Clark is a demon for work and is one of the real guns of the school. Seldom fails to knock the Professors off in their quizzes. Takes particular interest in Masonry Design. Though unknown to most of us, he has an extra credit in "fussing lab."

JAMES MORTIMER WILSON  
*Mine Engineering*

Hannibal, Mo.  
*Class 1921*

Sigma Nu, "M" in Football '18-'19-'20.

"Kiss Me" has his reputation as a Tea Hound to uphold. Well known in Hannibal dress suit circles. Member of the "Every Night Letter Club." Favorite song, "All the World Will Be Jealous of Me."



# ROLLAMO



JOSEPH MARLAND WILSON Rock Rapids, Iowa  
*Mine Engineering* Class 1921

Sigma Nu, Theta Tau, Tau Beta Pi, Phi Kappa Phi, A. I. M. & M. E., Miner Board '19-'20-'21, Rollamo Board '20-'21, Pres. of Freshman Class '18.

"Joe" is known for his ability as an artist. Has invented a leather vest to wear at the dances. Can be found at any time in the Library. Believes in Volstead's Hypothesis.



ROLL AMO

# JUNIORS



# ROLI AMO

## Junior Class History



Our class returned last fall to school about ninety-eight per cent strong. Some of our class did not come back, but there are a few other men that came from other schools and joined us. The boys all came back with a look of relief on their faces after having weathered the "Damns" and "Goshes" of Professor Dean's Calculus class.

The gang entered M. S. M. back in the days of the S. A. T. C. They came tramping in like a bunch of frightened mountain goats, but soon got over it after they were herded several times between the runways in Mechanical Hall. Then came the much looked for class smoker. It was a howling success. The defeat of the Sophomores in the annual football game was our first real scalp. The year was closed by the successful inauguration of a Freshman dance.

We again blossomed forth in September, '19, with our khakis on and with paddles in hand to teach the Frosh how Darwin arrived at his "Theory on Evolution of Man." This was taught by submerging them in Frisco Pond to the tune of "Whirling Barrel Staves." After several tea parties, we decided to stand by and

let our newly deposited species develop into mining engineers. The Sophomore smoker was next on the program. At this time we gave the Frosh a real treat. Then we added another scalp to our belt by defeating the Frosh in the annual football scrap between the two lower classes. Everything ran along smoothly for the entire year except when one of the hypnotized rabbits would run into the integrating machine backwards. Then the roof of Norwood Hall would rise about six inches.

The general goat of the class was our president, Stanley M. Hayes, who is a world war veteran.

The class is strong in athletics, having several men in football who received letters and also some "M" men in basketball. At present the class has the football championship of the school. We have defeated every class.

We are now ready and anxious to take our places as Seniors and help direct student activities as Seniors must. We have been, and always will be, ready to serve M. S. M.

### OFFICERS

S. M. HAYES . . . . .	President
W. E. CASE . . . . .	Vice-President
W. H. METZGER . . . . .	Secretary
J. E. JEWELL . . . . .	Treasurer

## Class Roll

A. L. ACKERS	Staunton, Ill.
H. E. AHRENS	Corning, Mo.
I. W. ALCORN	Ranger, Texas.
W. H. BAXTER	Oklahoma City, Okla.
O. L. BRANDENBURGER	Belleville, Ill.
J. L. BULGER	Gouverneur, N. Y.
EMILIO DE CARDENAS	La Paz, Bolivia.
W. E. CASE	Rolla, Mo.
H. L. CHILDRESS	Galena, Kan.
G. J. CHRISTNER	Horton, Kan.
G. V. COFFEY	La Fontaine, Ind.
F. W. COFFMAN	Liberty, Mo.
KURT DE COUSER	Rolla, Mo.
A. F. DENISON	Cushman, Ark.
A. DEVEREAUX	Puchuca, Hildago, Mex.
G. P. DIERS	East Orange, N. J.
H. E. DIERS	East Orange, N. J.
J. H. DOUGHERTY	Peoria, Ill.
OTTO EHLER	Washington, Mo.
R. E. ERICKSON	Madrid, Iowa.
W. R. GETTLER	Hannibal, Mo.
MEYER GOLLUB	St. Louis, Mo.
LINDELL HAGOOD	Marshall, Mo.
F. R. HALASEY	Maryville, Mo.
B. E. HAMMER	Stanton, Mo.
S. M. HAYES	Wellsville, Mo.
F. I. HENDERSON	St. Louis, Mo.
J. F. HOSTERMAN	Kansas City, Mo.
R. W. HUNT	Independence, Mo.
F. K. M. HUNTER	Rolla, Mo.
J. E. JEWELL	Kansas City, Mo.
J. E. JONES	Maysville, Mo.
P. H. KARGES	Kansas City, Mo.
E. A. KEELER	Tulsa, Okla.
R. G. KENYON	Rolla, Mo.
R. J. KENYON	Rolla, Mo.
R. H. KNIGHT	St. Louis, Mo.
H. L. LEONARD	Rolla, Mo.
E. G. MACHIN	Bluffton, Mo.
W. H. METZGER	East St. Louis, Ill.
NATHAN PACKMAN	St. Louis, Mo.



# ROLLA MO

S. K. REID . . . . .	<i>McAlester, Okla.</i>
E. W. REMBERT . . . . .	<i>Jefferson City, Mo.</i>
R. E. RICHARDS . . . . .	<i>Hutchinson, Kan.</i>
BRUNO RIXLEBEN . . . . .	<i>Jonesboro, Ill.</i>
N. M. ROUNTREE . . . . .	<i>Springfield, Mo.</i>
M. I. SIGNER . . . . .	<i>Tonica, Ill.</i>
C. L. SMITH . . . . .	<i>Rolla, Mo.</i>
R. D. SMITH . . . . .	<i>Hutchinson, Kan.</i>
K. R. TEIS . . . . .	<i>Parkville, Mo.</i>
E. R. TRAGITT . . . . .	<i>Rolla, Mo.</i>
D. F. UPDIKE . . . . .	<i>Plainfield, N. J.</i>
A. B. WATTS . . . . .	<i>Fredericktown, Mo.</i>
THOMAS G. WEIR . . . . .	<i>Webster Groves, Mo.</i>
E. A. WHEELER . . . . .	<i>Madrid, Ia.</i>
P. D. WINDSOR . . . . .	<i>Belleville, Ill.</i>
T. S. WOLVERTON . . . . .	<i>Green River, Utah.</i>
G. S. WYMAN . . . . .	<i>Kansas City, Mo.</i>



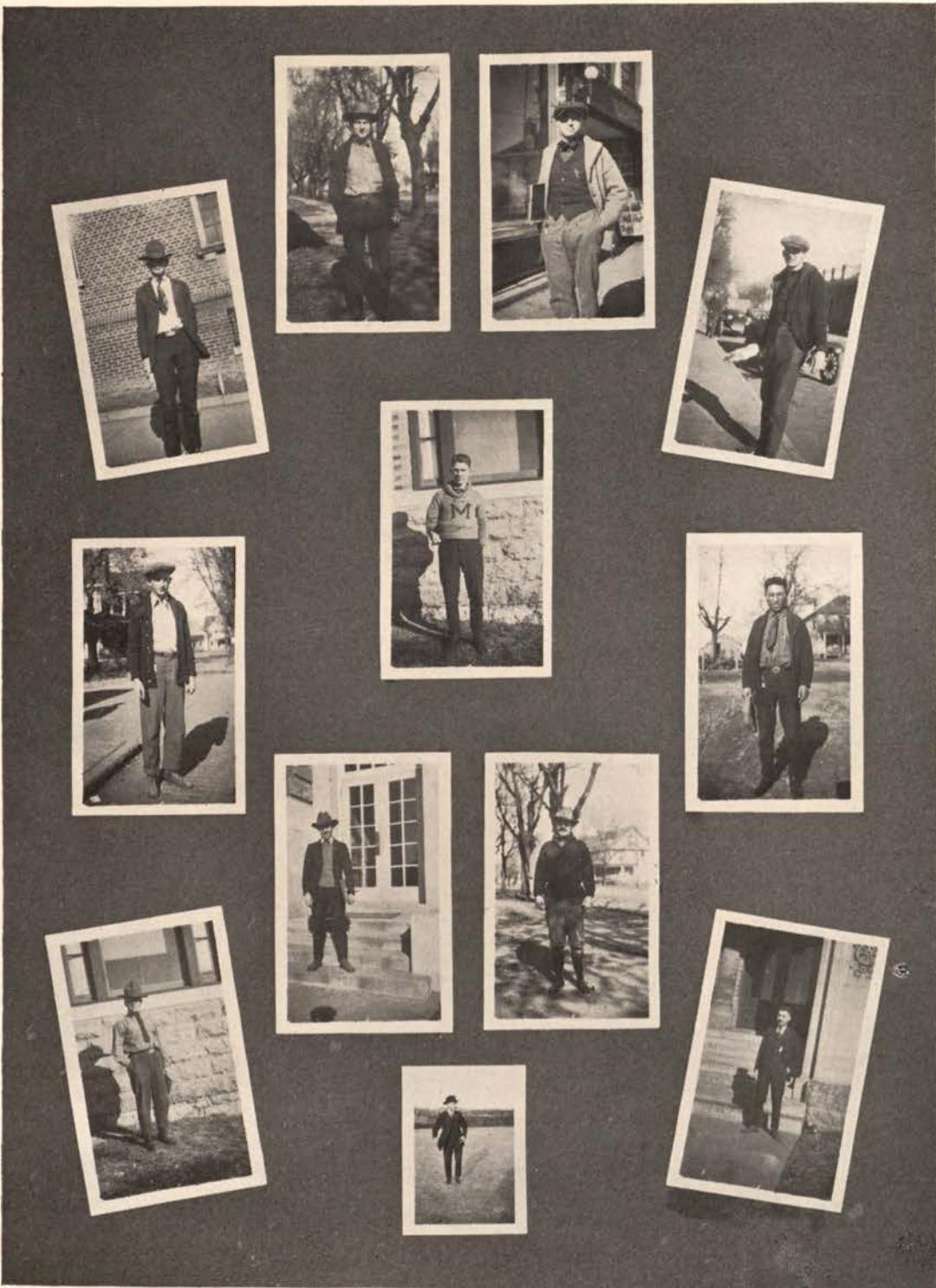
ROLL AMO



JUNIOR CLASS



# ROLLING AMO



SENIOR SNAPS

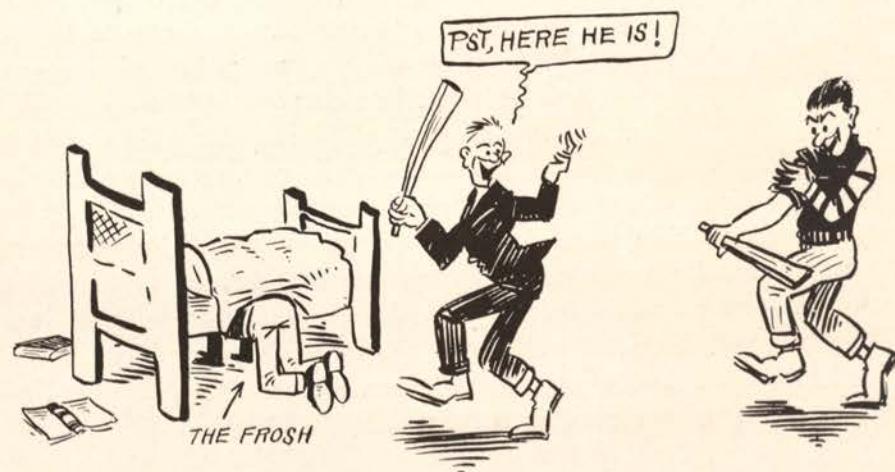
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ROLL AMO

# SOPHOMORES



# ROLLA MO

## History of the Class of '23



Though most of us entered Charlie Fulton's Finishing School for Boys on the banks of the Frisco Pond, yet this is not the outstanding feature of our first-year life. The most important accomplishment of the class has been the ferocious pursuit of knowledge and its brilliant elimination of the academic curricula. Provided with a twenty mule team reciprocating spreader, the class historians felt the lack of sufficient material to fully fertilize this notorious field of '23's felonies [and, quite naturally, turned to the faculty for a little caustic comment and kindly criticism. Prof. Dean was wildly enthusiastic. He sprang four feet and seven inches into the air in a frenzy of admiration. "In eighty years of teaching," cried the genial registrar, kicking out a panel of his fireproof safe, "never have I encountered such a heterogeneous conglomeration of ——!" And he lapsed into eloquent incoherence. With a genuine glow of pleasure at this simple expression of the Prof's. approval of '23's scholastic endeavors, we left him beaming a pale purple smile and foaming benignly at the mouth.

Twenty-three has found time for other purposes than strictly academic ones. Entertainment for homesick Freshmen was inaugurated at the fall reception. Committees on millinery and haberdashery coached the 1924 increment with such telling effect that we take inordinate pride in our latest, rollicking Rolla college boys. Doubtless, in a few years, these dashing, carefree Frosh will qualify as second class sophomores' helpers.

Twenty-three once, twenty-three twice,  
Holy jumping Chinese dice!  
Are we Miners? We should smile!  
We'll be Miners for a hell of a while!

### OFFICERS

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A. B. WILKERSON

*Vice-President*

VANCE WEBSTER

*Secretary*

M. N. BEDELL

*Treasurer*



## Class Roll

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MILO NANSON BEDELL . . . . .	<i>St. Louis, Mo.</i>
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PAUL MACFARLANE BROWN . . . . .	<i>Jefferson City, Mo.</i>
JEAN PAUL BRYAN . . . . .	<i>Rolla, Mo.</i>
IVAN BURCH . . . . .	<i>Georgetown, Ill.</i>
STEPHEN MICHAEL BURKE . . . . .	<i>St. Louis, Mo.</i>
HENRY CLARENCE BUSER . . . . .	<i>Webster Groves, Mo.</i>
FRANCISCO ALEJANDRO CANALES . . . . .	<i>Ayacucho, Peru.</i>
EVERETT HUNTER CATHCART . . . . .	<i>Kansas City, Mo.</i>
ALFRED STARKLOFF CHAPPUIS . . . . .	<i>St. Louis, Mo.</i>
HENRI CHOMEAU . . . . .	<i>Clayton, Mo.</i>
GEORGE THOMAS DIERKING . . . . .	<i>St. Louis, Mo.</i>
GLEN ANGUS DOOLEY . . . . .	<i>Joplin, Mo.</i>
ELBA LA FAYETTE FIPPS . . . . .	<i>Salem, Mo.</i>
PAUL EDGAR FISCHER . . . . .	<i>Webster Groves, Mo.</i>
HOWARD FLECK . . . . .	<i>El Paso, Tex.</i>
WAYNE SHANNON FRAME . . . . .	<i>Salesville, Ohio.</i>
WALTER PAUL GARRETSON . . . . .	<i>Carthage, Mo.</i>
WILLIAM PRESCOTT GATTS . . . . .	<i>Hannibal, Mo.</i>
DOD GRAHAM GIBSON, JR . . . . .	<i>Webster Groves, Mo.</i>
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FRED EDWIN GRAY . . . . .	<i>Moran, Kan.</i>
LAWRENCE JAMES GREGG . . . . .	<i>Independence, Mo.</i>
JOHN JOSEPH HABERTHIER . . . . .	<i>Wichita, Kan.</i>
MICHAEL VICTOR HEALY . . . . .	<i>Macon, Mo.</i>
PAUL JENT HEGWER . . . . .	<i>Sarcoxie, Mo.</i>
JOHN FREDERICK HELMERICHS . . . . .	<i>St. Louis, Mo.</i>
DAVID JOHN HENDRY . . . . .	<i>St. Louis, Mo.</i>
RALPH ANDREW HOFFMAN . . . . .	<i>Rolla, Mo.</i>
FRANCIS HERRON HOLLOW . . . . .	<i>Cuba, Mo.</i>
B. F. HOOVER . . . . .	<i>Trenton, Mo.</i>
ARMIN BRENE JEWELL . . . . .	<i>Tulsa, Okla.</i>
VERN GEORGE JOSLIN . . . . .	<i>Rolla, Mo.</i>
CHARLES BAYARD KALEY . . . . .	<i>Gouverneur, N. Y.</i>
WILLIAM MILLER KEELING . . . . .	<i>Falls City, Neb.</i>
IRVIN WILSON KEYES . . . . .	<i>Richmond, Mo.</i>
ROWLAND JOSEPH LAPEE . . . . .	<i>Sullivan, Mo.</i>
WILLIARD CLAXTON LAY . . . . .	<i>St. Clair, Mo.</i>
BEN McCULLOCH LAYTON . . . . .	<i>Ferguson, Mo.</i>
ROY ALEXANDER LINDGREEN . . . . .	<i>Chicago, Ill.</i>
LEO LINZER . . . . .	<i>New York, N. Y.</i>
GUY VERDIER MARTIN . . . . .	<i>Rolla, Mo.</i>
PHILLIP FRANCIS MARTYN . . . . .	<i>Cuba, Mo.</i>
FRED PALMER MATLACK . . . . .	<i>Overland Park, Mo.</i>
FELIX Z. MEEKS . . . . .	<i>Marshall, Mo.</i>
SAMUEL EG蒙T MEINICKE . . . . .	<i>Bay, Mo.</i>
CARL E. MILLIKAN . . . . .	<i>Buffalo, N. Y.</i>



# ROLLAMO

BILLIE RAYMOND MENNIE	Hannibal, Mo.
DONALD SPEED MOSBY	Jefferson City, Mo.
CHARLES CLIFFORD MOSENA	Falls City, Neb.
JAMES KENNETH MURPHY	Vinita, Okla.
RAYMOND EDWARD MURPHY	Galena, Ill.
HOLLIS EUGENE McBRIDE	Cape Girardeau, Mo.
MAURICE HUNTER McCLELLAN	Eminence, Mo.
GEORGE FRANCIS NAWN	Rolla, Mo.
RAYMOND FITZGERALD ORR	Webb City, Mo.
ARLIS BECKHAM PARKHURST	Tulsa, Okla.
HARRY SIMANTON PENCE	Falls City, Neb.
EDWARD PESOUT	St. Louis, Mo.
EDWIN KEMP PORTER	Holden, Mo.
JOHN MILTON REEVES	Anderson, Ind.
CHARLES ADELBERT RUNGE	Kirkwood, Mo.
FERDINAND EUGENE SAPPER	Galveston, Tex.
KARL AUGUSTUS SCHMIDT	Springfield, Mo.
HERBERT G. SCHWARZ	Syracuse, N. Y.
THEODORE C. SCOTT	Jefferson City, Mo.
ALFRED LEON SOTIER	St. Louis, Mo.
STUART ESSELMAN STORRS	Hannibal, Mo.
SAMUEL HENRY STUART	Rolla, Mo.
KEDZIE TELLER	Riverside, Ill.
WILLIAM EARL TETER	Bunker Hill, Ill.
CHARLES CYRUS TEVIS	Holden, Mo.
LAWRENCE THOMY	St. Louis, Mo.
ROWLAND TRAGITT	Rolla, Mo.
RONALD DAVID WAILES	Eaton, Colo.
WILLIAM HENRY WALLING	Dayton, Wyo.
JOE M. WANEMACHER	Steubenville, Ohio.
MARION WHITFIELD WATKINS	Memphis, Tenn.
VANCE WEBSTER	Anderson, Ind.
MELVIN POWELL WEIGEL	Fredericktown, Mo.
WALTER HENRY WEIMER	Girard, Kan.
HARRY WELLS	St. Louis, Mo.
EVERETT JOHN WENDELL	Peoria, Ill.
WALTER A. WERNER	St. Louis, Mo.
JAMES A. WESTGARD	Rolla, Mo.
AUGUSTUS BENTON WILKERSON	Aurora, Mo.
CHARLES WILMESHERR	Cuba, Mo.
EDGAR MARK WILSON	Caney, Kan.
GEORGE AUGUST ZELLER	St. Louis, Mo.
ROBERT CAVERO ZEVALLOS	Callao, Peru.
WILLIAM CLARK ZIEGLER	Providence, R. I.
HENRY EUGENE ZOLLER	Tulsa, Okla.
SAMUEL IRVIN ZOOK	Buffalo, Kan.



ROLL AMERICA



SOPHOMORE CLASS



# ROLI AMO



SENIOR SNAPS

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ROLLAMO

# FRESHMEN.



JOE WILSON '21



# ROLLA MO

## History of Class of '24

Each of the upper classmen must remember the day when we arrived in Rolla as verdant Freshmen; the time that we had getting acquainted; the first week of our life that was so buried in the adventure of the night life of Rolla.

The first week was a very trying one for us with its usual nocturnal activities when it was dangerous for either Soph or Frosh to venture upon the streets of Rolla alone. There was the never-to-be-forgotten exodus to the Fair Grounds, where, on a pleasant Sunday evening, we counted the gang and got acquainted with one another. After that extremely restful (?) night, and a hearty breakfast of one cup of coffee for each of us, we marched back into town some fifty-odd strong. The Sophs were victorious in the class fight, but the odds were against us, inasmuch as their class was the largest class that was ever grouped together under any class organization. The Sophomore Smoker in the evening made us feel at home at M. S. M.

On November the 20th, we got sweet revenge on our self-appointed guardians, the class of '23, by beating them in the annual football game by the score of 19 to 6. After this game everyone thought that class football was over for the year. The Juniors, however, challenged us and we accepted. About that game we have little to say, except that we did our best and were beaten by the best class team in school.

What did we do for the school in other ways? On the varsity football team we had Buck and Kenning. In addition to these men, we had several others who did duty with the scrubs. In basketball we are well represented by Haywood, Kemper, and McClelland on the varsity, and two other men with the scrubs. Then, too, our class has the honor of organizing the first class orchestra at M. S. M. In various other activities at M. S. M. the class of '24 has tried to do its part, and we pledge our support to all worth-while school activities.

### OFFICERS

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R. H. KENNING  
A. E. BUCK  
A. W. NAYLOR

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Vice-President  
Secretary  
Treasurer  
Sergeant-at-Arms



# ROLLO AMO

## Class Roll

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R. A. BALLINGER . . . . .	<i>Gallatin, Mo.</i>
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W. J. BARNETT . . . . .	<i>Bristow, Okla.</i>
B. K. BAUMGARDNER . . . . .	<i>Rolla, Mo.</i>
P. L. BLAKE . . . . .	<i>Lynn, Mass.</i>
J. BLICKENSDERFER . . . . .	<i>Lebanon, Mo.</i>
C. G. BOWERS . . . . .	<i>Carrollton, Mo.</i>
A. E. BUCK . . . . .	<i>Central Falls, R. I.</i>
J. P. CAMPBELL . . . . .	<i>Doniphan, Mo.</i>
H. H. CARLTON . . . . .	<i>St. Louis, Mo.</i>
R. A. CARTER . . . . .	<i>Bronaugh, Mo.</i>
JOSEPH CASTELLI . . . . .	<i>Knobview, Mo.</i>
J. H. CHRISTOPHER . . . . .	<i>Warrensburg, Mo.</i>
R. M. COURTNEY . . . . .	<i>Hannibal, Mo.</i>
R. V. A. DAVIDSON . . . . .	<i>Cherryvale, Kan.</i>
C. B. DAVIS . . . . .	<i>Rolla, Mo.</i>
H. R. DROUOT . . . . .	<i>Tulsa, Okla.</i>
O. H. EBLE . . . . .	<i>St. Louis, Mo.</i>
C. F. ELLIS . . . . .	<i>Dallas, Tex.</i>
L. A. FORAN . . . . .	<i>Sorento, Ill.</i>
G. C. GABLER . . . . .	<i>Coffeyville, Kan.</i>
A. S. GREENSWIGHT . . . . .	<i>Rolla, Mo.</i>
R. R. HAMILTON . . . . .	<i>Rolla, Mo.</i>
E. G. HAYWOOD . . . . .	<i>South Centralia, Ill.</i>
A. HEDBERG . . . . .	<i>Chicago, Ill.</i>
H. H. HEIDTMANN . . . . .	<i>Wright City, Mo.</i>
A. L. HUNT . . . . .	<i>Independence, Mo.</i>
J. O. HUNT . . . . .	<i>Hannibal, Mo.</i>
J. E. JETT . . . . .	<i>Rolla, Mo.</i>
E. H. JOHNS . . . . .	<i>Carthage, Mo.</i>
C. KEMPER . . . . .	<i>St. Louis, Mo.</i>
R. H. KENNING . . . . .	<i>Hannibal, Mo.</i>
H. H. KESSLER . . . . .	<i>St. Louis, Mo.</i>
W. E. H. KNIGHT . . . . .	<i>Joplin, Mo.</i>
A. A. LEVINSON . . . . .	<i>Chicago, Ill.</i>
D. B. LOEYV . . . . .	<i>St. Louis, Mo.</i>
T. C. LUSTER . . . . .	<i>Chickasha, Okla.</i>
C. W. MAGALIS . . . . .	<i>Dallas, Tex.</i>
C. H. MAREK . . . . .	<i>Sioux City, Iowa.</i>
C. S. METCALF . . . . .	<i>Greenfield, Ill.</i>



# ROLLA MO

W. MIKELL . . . . .	Augusta, Ga.
F. F. M. MONOHAN . . . . .	Sapulpa, Okla.
D. L. MOODIE . . . . .	St. Louis, Mo.
M. McCLELLAND . . . . .	Centralia, Ill.
A. W. NAYLOR . . . . .	Rolla, Mo.
W. A. POWELL . . . . .	Lees Summit, Mo.
W. E. REMMERS . . . . .	St. Louis, Mo.
D. F. ROESE . . . . .	Syracuse, N. Y.
A. E. RUNGE . . . . .	Kirkwood, Mo.
B. SAMPLES . . . . .	Boonville, Ind.
C. F. SCHAEFER . . . . .	Pittsburg, Pa.
LEO SCHAPIRO . . . . .	Chicago, Ill.
H. O. SCHRAMM . . . . .	Elmhurst, L. I., N. Y.
C. W. B. SITZLER . . . . .	St. Louis, Mo.
C. SMITH . . . . .	Richmond, Ind.
I. SUBLET . . . . .	Texarkana, Tex.
W. E. TEN EYCK . . . . .	St. James, Mo.
P. F. THOMPSON . . . . .	Goodland, Kan.
M. F. TIRRE . . . . .	St. Louis, Mo.
F. J. UNDERWOOD . . . . .	Rolla, Mo.
A. W. WALKER . . . . .	East Orange, N. J.
J. R. WALKER . . . . .	Roodhouse, Ill.
J. F. WALLACE . . . . .	Clearmont, Mo.
J. M. WASMUND . . . . .	Vinita, Okla.
R. O. WILSON . . . . .	Boonville, Ind.
W. S. WRIGHT . . . . .	Sedalia, Mo.
D. ZIMMERMANN . . . . .	St. Louis, Mo.



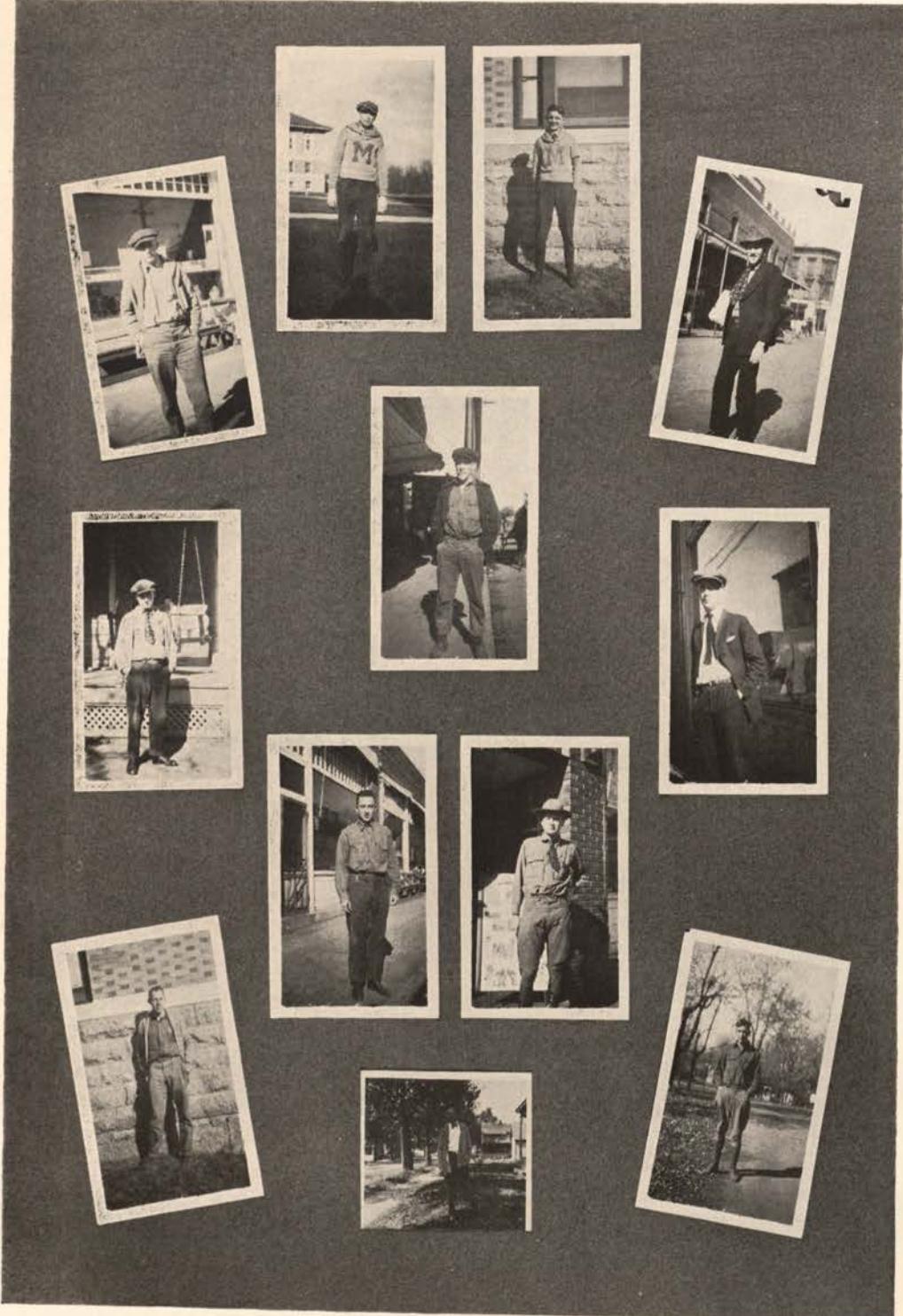
# ROLL AMO



FRESHMAN CLASS



# ROLL AMO



SENIOR SNAPS

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EHW

ROLLAMO

# VOCATES



Still back of him

# ROLI AMO

## Vocational Training Men

Vocational Training for disabled soldiers, sailors, and marines was established at the Missouri School of Mines in May, 1919. The number of students in this course has steadily increased until at present there are nearly a hundred enrolled in this department. The large majority of these are studying Topography under the able instruction of Major C. E. Cooke of the United States Geodetic Survey and C. E. Bardsley, formerly of the same organization.

The men have received the hearty co-operation of the Director and the Faculty of the school. They have shown commendable progress in their chosen fields of study.

This department has been set off from the regular college departments and has a special board of supervisors. In this way the department is able to take care of all the affairs that pertain to the welfare of the men.

The success of this branch of the school seems to be assured if present conditions are indicative of future results.

### OFFICERS

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H. P. JONES . . . . .	Vice-President
S. B. O'HARA . . . . .	Secretary
J. L. SANDERS . . . . .	Treasurer



# ROLLO AMO

## Class Roll

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GEO. J. BALCH . . . . .	Jamaica Plains, Mass.
M. R. BENT . . . . .	Brocton, Mass.
F. G. BISCH . . . . .	Bonne Terre, Mo.
R. F. BRANT . . . . .	Chillicothe, Mo.
E. H. BURKE . . . . .	St. Louis, Mo.
C. W. CAMPBELL . . . . .	Sedalia, Mo.
L. A. CASSIL . . . . .	Mountain Grove, Mo.
E. F. CHAPIN . . . . .	St. Louis, Mo.
J. L. COAKLEY . . . . .	Kansas City, Kan.
O. C. COPE . . . . .	St. Louis, Mo.
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G. B. DYER . . . . .	St. Louis, Mo.
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O. R. EVANS . . . . .	Granger, Mo.
S. D. FARMER . . . . .	Galena, Kan.
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P. F. HAWORTH . . . . .	Elwood, Neb.
I. F. Hazelwood . . . . .	St. Louis, Mo.
E. L. HEALEY . . . . .	Creston, Iowa.
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P. A. HOLLAR . . . . .	Kansas City, Kan.
T. HOLLIDAY . . . . .	Pollock, Mo.
MAX R. HOWARD . . . . .	Springfield, Mo.
H. W. HOPPER . . . . .	Franklin, Kan.
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J. G. HUCKINS . . . . .	Kirkwood, Mo.
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G. L. KNIGHT . . . . .	Joplin, Mo.
E. C. KRUSE . . . . .	St. Louis, Mo.
C. M. LANCASTER . . . . .	Omaha, Neb.
A. E. LANG . . . . .	East St. Louis, Ill.
H. P. LAWRENCE . . . . .	Rolla, Mo.
L. E. W. LEPPER . . . . .	Marlboro, Mass.
H. R. LINDENBERGER . . . . .	Rantoul, Kan.
J. A. LOGAN . . . . .	Rolla, Mo.
F. E. LOWD . . . . .	Boston, Mass.
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I. S. MARTIN . . . . .	Hutchinson, Kan.
H. S. MILSTED . . . . .	Rolla, Mo.
J. E. MITCHELL . . . . .	Rolla, Mo.
J. F. MAHAN . . . . .	Boston, Mass.
A. B. MORRIS . . . . .	Willard, Mo.
E. M. MULLEN . . . . .	Hutchinson, Kan.
A. W. MEYER . . . . .	St. Louis, Mo.



# ROLLO AMO

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MARTIN McDONNELL . . . . .	St. Louis, Mo.
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CHAS. B. NEIL . . . . .	Republic, Mo.
A. G. NEUWIRTH . . . . .	St. Louis, Mo.
NOAH NEWTON . . . . .	Wichita, Kan.
T. J. O'BRIEN . . . . .	St. Louis, Mo.
S. B. O'HARA . . . . .	Rosendale, Mo.
J. P. OSTER . . . . .	Jefferson City, Mo.
J. R. PATTON . . . . .	Columbus, Kan.
R. R. PETRI . . . . .	St. Louis, Mo.
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JOHN RIDDLE . . . . .	Marion, Kan.
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R. ROZIER . . . . .	Rolla, Mo.
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J. T. SCHULTZ . . . . .	Rolla, Mo.
W. SHUPE . . . . .	Des Moines, Iowa.
WILLIAM SIEGLE . . . . .	St. Louis, Mo.
CHRIS. SOUTHERN . . . . .	Kansas City, Mo.
C. E. STOVER . . . . .	St. Louis, Mo.
J. E. TAYLOR . . . . .	Mason City, Iowa.
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H. L. TURNER . . . . .	Moberly, Mo.
H. VENABLE . . . . .	St. Louis, Mo.
WILLIAM WALLING . . . . .	Dayton, Wyo.
G. WILLIAMS . . . . .	Wichita, Kan.
R. L. YEAGER . . . . .	Joplin, Mo.
CHAS. YOUNG . . . . .	St. Louis, Mo.
R. E. ZINK . . . . .	Independence, Mo.
M. F. ZOGG . . . . .	Granby, Mo.
S. I. ZOOK . . . . .	Buffalo, Kan.



# ROLLAMO



VOCATIONAL MEN



# ROLLAMO



SENIOR SNAPS

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# ROLLAMO

## Degrees

### BACHELOR OF SCIENCE IN MINE ENGINEERING

KENNETH AID	HARLAND H. HOPPOCK	ARTHUR H. PETSCH
DANIEL C. BEYER	CLIFFORD P. HOWARD	GERALD F. RACKETT
MATTHEW P. BRAZILL	JOHN L. HOWENDOBLER	RUDOLPH C. SCHAPPLER
JUAN R. CASANOVAS	THOMAS W. LEACH	A. B., A. M.
LAWRENCE O. CASSELMAN	FRANK M. McMILLEN	OSCAR E. STONER
LORAIN H. CUNNINGHAM	ROBERT L. MARSTON	FREDERICK W. UTHOFF
GERARD E. EBMEYER	FREDERICK V. MOORE	WILLIAM W. WEIGEL
ARTILEUS V. EULICH	EARLE N. MURPHY	KENNETH M. WRIGHT
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WESLEY G. HIPPARD	WILLIAM J. NOLTE	

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CLARENCE E. BARDSLEY	LOUIS M. McCARTHY	LL. B.
CHARLES R. BARNARD	JOSEPH NOVAK, JR.	RONALD B. WILLS
GEORGE BURNET		HAROLD W. ZIESENIS

### BACHELOR OF SCIENCE IN GENERAL SCIENCE

PETER HAROLD PIETSCH

### BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

WILLIAM MISKEY TAGGART

### BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

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EUGENE DREIDEL	LEON HARRISON GOLDMAN	FREDERICK A. KRAUSE
WILLIAM J. FINLAY	ARTHUR M. HOWALD	EDGAR A. WILLIAMS

### MASTER OF SCIENCE IN METALLURGY

THOMAS P. WALSH, B. S. '17      HANLEY WEISER, B. S. '18

### MASTER OF SCIENCE IN CHEMICAL ENGINEERING

KARL K. KERSHNER      ARTHUR M. HOWALD

### ENGINEER OF MINES

JOSEPH BARTON, B. S. '17	LEONIDAS J. BOUCHER,
PHILLIP B. DOLMAN, B. S. '17	B. S. '14

### METALLURGICAL ENGINEER

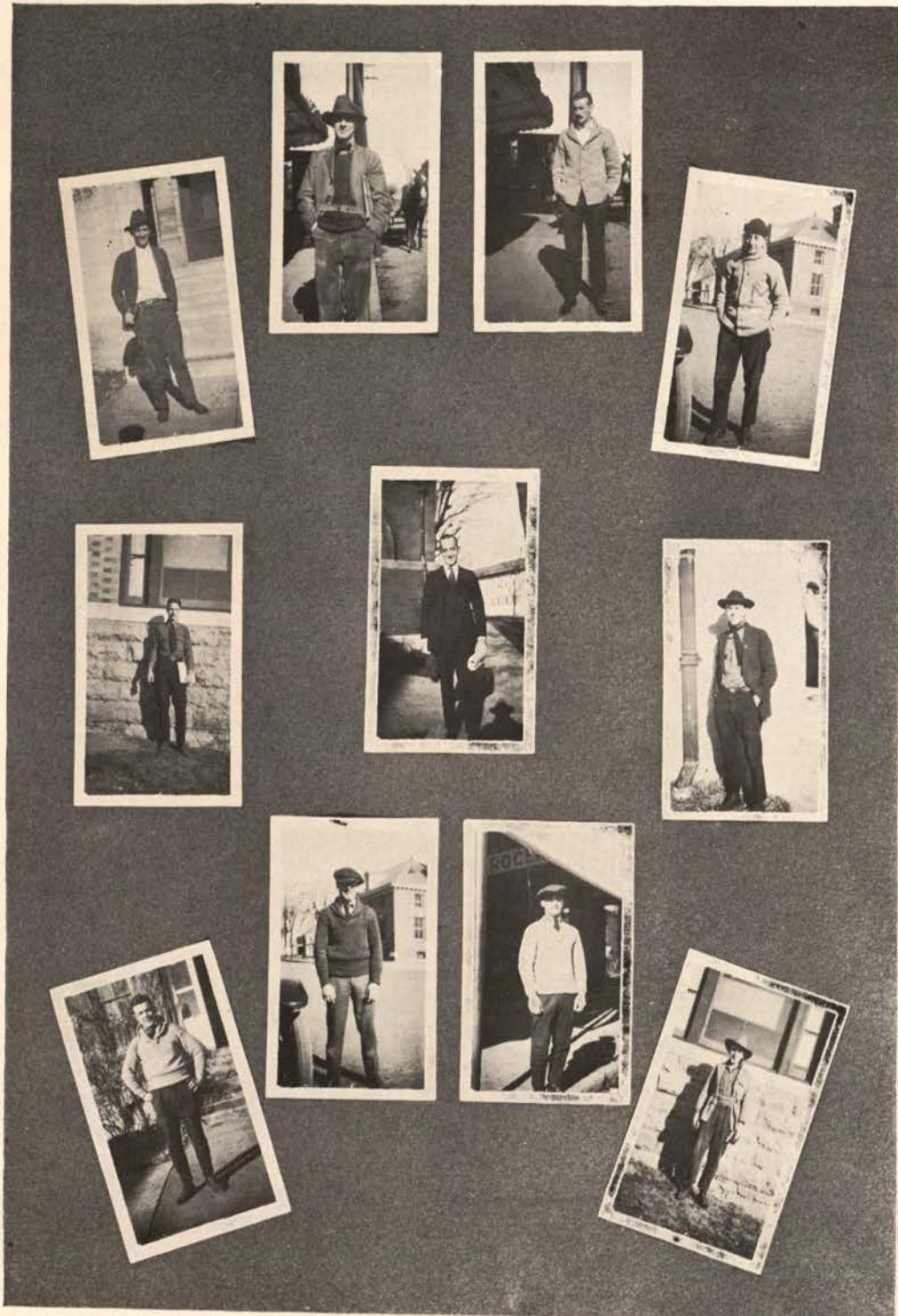
JOHN O. AMBLER, B. S. '06	FRANK S. ELFRED, B. S. '17
RAY G. KNICKERBOCKER, B. S. '13	EARL J. McNELLY, B. S. '16
MARTIN H. THORNBERRY, B. S. '12	

### CIVIL ENGINEER

ENOCH R. NEEDLES, B. S. '14



# ROLI AMO



SENIOR SNAPS

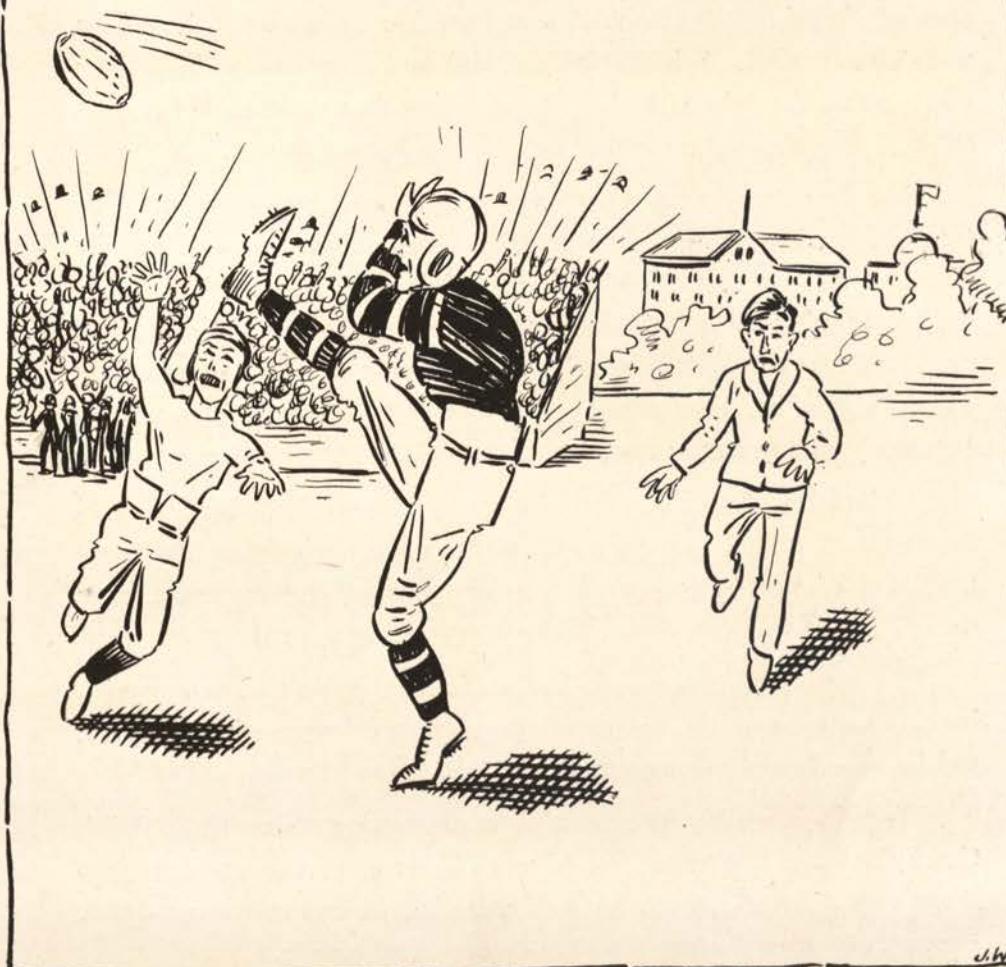
Page 92



E.H.W.

ROLL AMO

# FOOTBALL



## Football Review

**T**HE final results of this year's season of football show the Miners tied with Kirksville and William Jewell for first honors. This showing is conceded by all to be the best made by a Miner team in recent years. We deserved and would have had undisputed possession of first honors had it not been for a disheartening accident.

The season opened with plenty of old material and such a large amount of new that it was possible to have four teams until the season was well advanced. School spirit was high and every one of the players went out on the field with the determination that there should be but one outcome of the game—that was for the Miners to win.

The first two games that were played were easily won. The third, with Warrensburg, was won at a great sacrifice. It cost the life of one of our best men, "Eddie" Bohn. With this deplorable accident the Miner spirit fell, not to rise again during the season. We lost two comparatively easy games which would have been easily annexed by our men had there been nothing such as this depressing catastrophe to take the "pep" from the men.

Although we lost our game with Drury, they did not beat the real Miner eleven. Had they faced the team of the week before that walloped the Warrensburg team, it is doubtful whether they would have scored. As it was, they were lucky to get away with the game.

The season was a successful one, so far as the sport was concerned, because we were at the top of the percentage column—although tied, and because two of our men made the "All State Eleven."

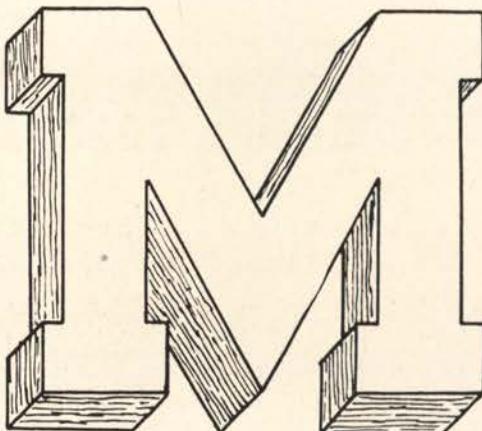
We will lose only two men thru graduation this spring. With Coach McCune back next fall to whip the rest of the veterans into shape as well as to sift out the new material, we can rest assured that the undisputed conference title will be ours next season.



# ROLL AMO

## Basketball

M. I. SIGNER  
 J. L. BULGER  
 J. H. ROHLOFF  
 CLAUDE KEMPER  
 MYRON McCLELLAND  
 E. G. HAYWOOD



## Track

E. J. BOHN  
 F. P. WHITE  
 M. P. BRAZILL  
 W. M. TAGGART  
 HENRI CHOMEAU  
 H. D. SCRUBY  
 A. RUNGE

## Football

A. L. CAIRNS (Capt.)  
 J. M. WILSON  
 R. KENNING  
 W. W. BOLT  
 H. E. McBRIDE

E. J. WENDELL (Capt.-El.)  
 A. BUCK  
 S. I. ZOOK  
 A. B. PARKHURST  
 G. J. CHRISTNER

E. J. BOHN  
 I. K. OWENS  
 H. E. ZOLLER  
 R. C. McClurken  
 O. L. BRANDENBURGER

### 1920 Football

*Captain*  
 A. L. CAIRNS

*Captain-Elect*  
 E. J. WENDELL

### Basketball

M. I. SIGNER

J. L. BULGER

### Track

E. J. BOHN

F. P. WHITE

### Athletic Director

F. E. DENNIE

### Football Coach

ROGER J. McCUNE

### Athletic Board

M. I. SIGNER

*President*

J. E. JEWELL

*Business Manager*



# ROLLA MO

## Results, 1920

Oct. 2.	Miners.....	0	Washington University.....	21
Oct. 9.	Miners.....	28	Cape Girardeau.....	0
Oct. 16.	Miners.....	33	S. W. Teachers College.....	15
Oct. 23.	Miners.....	0	St. Louis University.....	27
Oct. 30.	Miners.....	0	Arkansas University.....	14
Nov. 6.	Miners.....	17	Warrensburg.....	0
Nov. 13.	Miners.....	7	Drury College.....	13
Nov. 25.	Miners.....	0	Henry Kendall College.....	45

## Schedule, 1921

- Oct. 1. Miners vs. Washington University at St. Louis.
- Oct. 7. Miners vs. Cape Girardeau at Cape Girardeau.
- Oct. 14. Open date.
- Oct. 21. Miners vs. Missouri Wesleyan at Rolla.
- Oct. 28. Open date.
- Nov. 4. Miners vs. Springfield Normal at Rolla.
- Nov. 11. Miners vs. Drury at Springfield.
- Nov. 18. Miners vs. Central at Rolla.
- Nov. 24. Open date.



# ROLI AMO



*Top Row*—WHITE, CHRISTNER, SANDERS, WENDELL, BUCK, DENISON, Coach McCUNE,  
McCLURKEN, COFFEE, SHEPHERD, PARKHURST, FISCHER, MACHIN.  
*Bottom Row*—GRAY, ZOLLER, GETTLER, WILSON, WATKINS, CAIRNS (Captain), BRANDENBURGER,  
MCBRIDE, OWENS, KENNING, ZOOK



# ROLI AMO



Captain CAIRNS '20.

*Quarterback*

This was "Buddy's" fourth letter year. His excellent playing won him a place on one of the All-Conference teams. He never missed a game and could always be counted on for a gain.



Captain-Elect WENDELL '23

*Tackle*

This is "Dip's" first letter year altho it is his second season on the team. Last year injuries kept him from making his letter. A game player.



EDWIN J. BOHN '21

*Halfback*

A good sportsman, a gentleman; loved, respected and missed by all.



# ROLL AMO



BRANDENBURGER '22

*End*

Brandy is a fast end and full of pep. This is his second year of playing on the team. Smashing interference is his passion and getting passes his hobby.



ZOOK '23

*Guard*

Zook can play either guard or tackle and play them well. This is his first year on the team. We are fortunate in having him for two more seasons.



MCDRIDE '23

*Halfback*

"Buddy" picks a hole in the line and goes thru like a veteran. He will probably succeed Cairns at quarter next year because of his cool-headedness and his ability to lead.

**25470**



# ROLL AMO



WILSON '21

*End*

This is "Mort's" third letter. He is a scrappy player and can break interference as well as any man in spite of his light weight.



CHRISTNER '22

*Guard*

"Gobby" made his first letter this year. Hard luck prevented him from doing it last year. Chosen for one of the All-Conference teams for his ability to play the line, breaking interference and tackling. We hope to see him back next year with the same old fight.



OWENS '23

*Halfback*

Hank has made many a gain and has scored several touchdowns. He has the old fight in him that puts the ball close to the goal every time that it gets into his hands.



# ROLL AMO



KENNING '24

*Fullback*

Kenning will be with us three more years, during which we expect that he will score many a touchdown and smash up the interference of our opponents.



BUCK '24

*End*

Buck is virtually the find of the season. He gets under the ball at the kick-off in a surprisingly short time. He is also a man with three more seasons to go.



McCLURKEN '22

*Fullback*

Mack is good at breaking up interference and is a hard hitting player. He has scored on many an occasion when scores were most needed.



# ROLL AMO



BOLT '22

*Tackle*

This is Bolt's second season and second letter. He is in line for two more seasons. A hard worker and can be counted on for a gain.



ZOLLER '23

*Center*

Hank can twirl the pigskin with the precision that comes from hard work and experience. Besides this he has the ability to keep the opponent from coming thru the line.



PARKHURST '23

*Guard*

"Babe" put all that he had in the game and played a good game of clean football. While on the trips he took great delight in the girls at the cigar counters.



# ROLL AMO



"Tom Fischer"



"Fred Coffey"



"Fred White"



"Red Sanders"



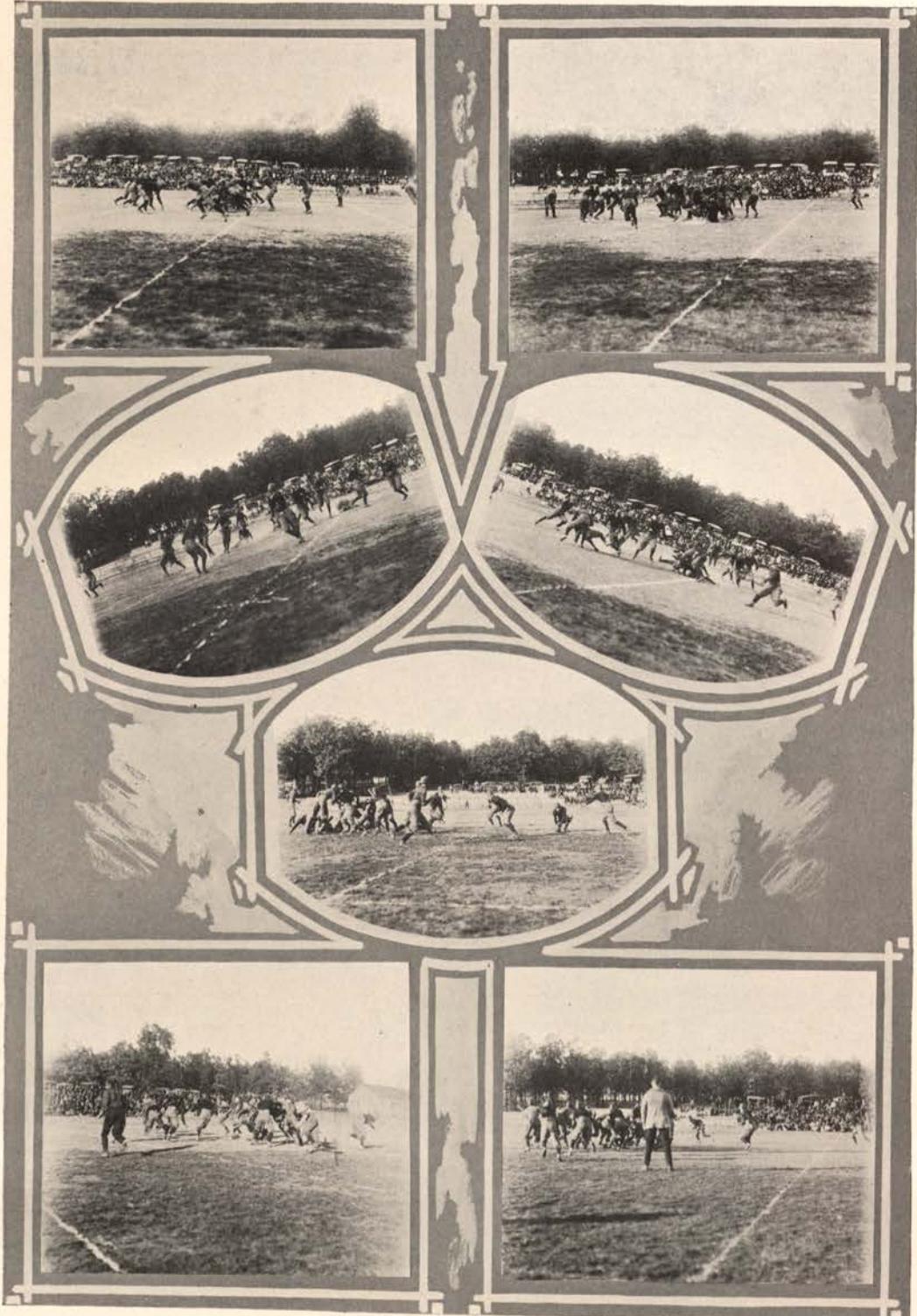
"Harry Vassine"



"Tim Watts"



# ROLL AMO



OUR GAMES

Page 104



EHW

ROLL AMO

# BASKET BALL



Ziegler



# ROLI AMO

## Basketball Review

Team	Won.	Lost.	Percentage.
Warrensburg.....	10	0	1000
Westminster.....	5	1	.833
Miners.....	10	3	.770
Cape Girardeau.....	5	2	.714
Springfield Teachers.....	8	4	.666
Maryville.....	4	4	.500
Central College.....	3	4	.429
William Jewell.....	5	7	.417
Drury.....	4	8	.333
Tarkio.....	4	8	.333
Mo. Wesleyan.....	3	7	.300
Culver Stockton.....	1	5	.166
Central Wesleyan.....	1	10	.091

From the above figures one can see that the Miners had a real team. Two of the games that we lost should have been ours. But luck was breaking against us and we lost them. Yet we are satisfied with the results as they are. We feel that our men put everything into the game that they were capable of and that they had the true Miner spirit of fight. An unfortunate circumstance dealt us a blow when Jimmy Harris, one of the better forwards in the Conference, was forced out.

Besides the letter men of the team we had several other men who were quite capable basketball players. There was Jimmy Harris, our star forward, who left school in the middle of the season; Buddy McBride, who distinguished himself in the last two Westminster games; Kaley, forward, who played a good game in several games at the last of the season; Kasel, who broke into quite a few games. Moodie and Campbell are two men that will be heard from next year. With the five letter men back next year and the substitutes of this year we should have the best team in the Conference.



# ROLLAMO



CAPTAIN SIGNER

"Sig" plays guard and forward equally as well and is frequently called upon to change from one position to another.

He is an able leader and his presence pep's up the team. His playing won him a place on All-Conference Team.

This is "Do-Do's" second year on the team. An excellent man on the defense. His scrappiness kept him playing throughout the season despite painful injury to his back.



ROHLOFF



BULGER

"Johnny" was a good running mate to Rohloff. The two make a splendid team of guards.

"Johnny's" great ambition is to put Gouverneur, N. Y., on the map, and is succeeding in it very well.

"Kemp" was the big boy who out-jumped them all, including the great DeBernardi.

This was Kemper's first year on the team but he displayed all the old Miner fight and pep. With three more years of basketball ahead of him, he should develop into one of the best centers that has ever played for M. S. M.



KEMPER



HAYWOOD

"Bridge" played a steady game at all times and put every ounce of pep that he had into every game. He, too, has three more years ahead of him, and we do not hesitate to predict great things for him.

"Mac" is one of our Freshman trio of players. Got away with a bad start, but developed into one of our best men under coaching of Dennie. He will be with us three more seasons and we expect much of him.



MCCLELLAND



FHW

# ROLLIAMO



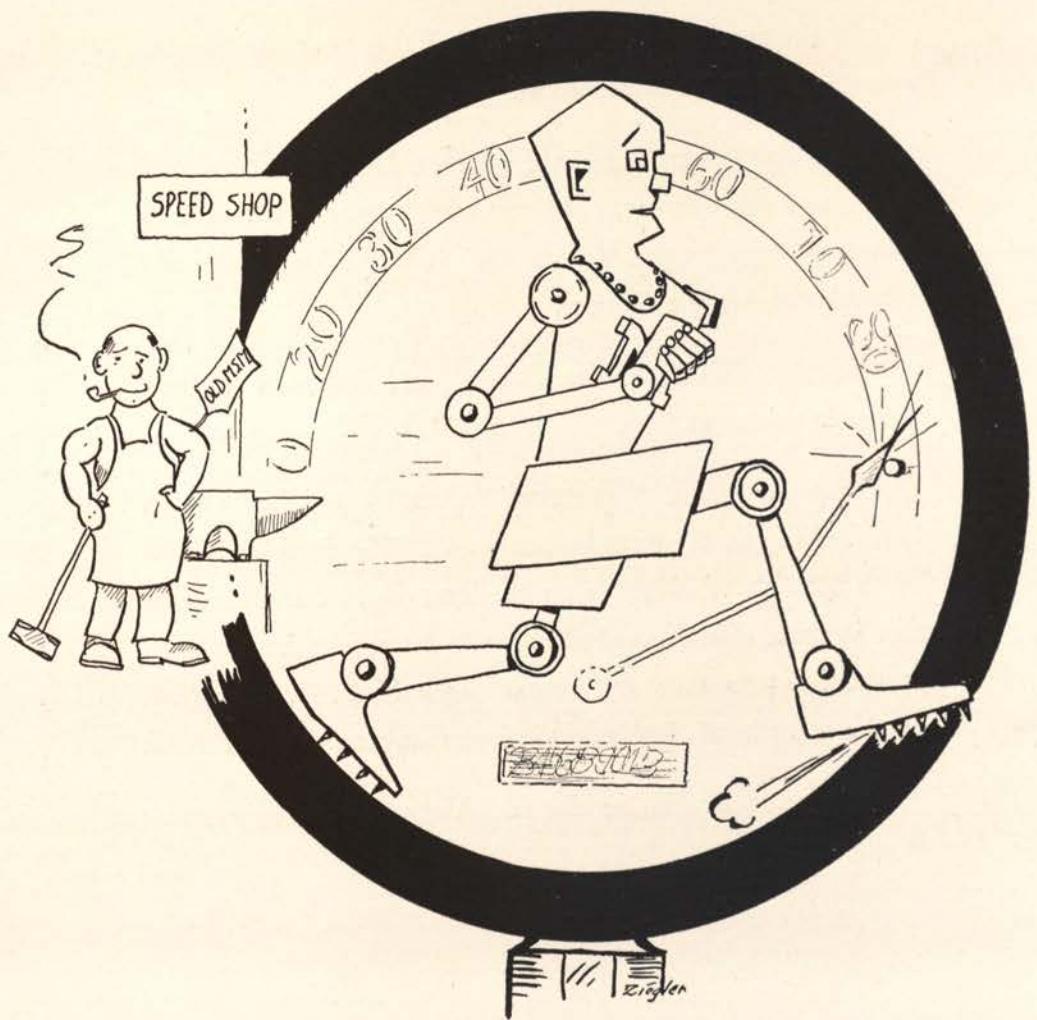
*Top Row*—MURPHY, MOODIE, KASEL, CAMPBELL, McBRIDE, CASE, KALEY

*Bottom Row*—KEMPER, McCLELLAND, ROHLOFF, SIGNER, BULGER, HAYWOOD, ZOOK, HARRIS



ROLLAMO

# TRACK



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EHW

# ROLI AMO

## Track 1920

Of the two track meets scheduled this year the Miners won the first and lost the second.

The Triangular Meet held between Drury, Normal and the Miners was won by the Miners with a score of 69. Drury collected 39 points and Normal 36. It was a comparatively easy victory for the Miners.

Taggart, Brazill, White, Scruby and Runge won their letters in this meet.

The meet with Washington University was held in St. Louis. We lost the meet by one event. The final score was 69 to 58 with Washington on the long end. Our men were first in most of the events, but we had too few men entered in the meet to take any seconds and thirds. Washington, on the other hand, had an unlimited number to do this work.

Chomeau, Brazill, Scruby and Taggart won their letters in this meet.



# ROLLINGO

## Triangular Meet

### FIRST PLACES.

TAGGART . . . . .	100 yd.
WHITE . . . . .	440 yd.
WHITE . . . . .	880 yd.
BOHN	
BRAZILL	
WHITE	
TAGGART	
	$\frac{1}{2}$ Mile Relay.
WHITE . . . . .	120 yd. High Hurdles.
BRAZILL . . . . .	220 yd. Low Hurdles.
RUNGE . . . . .	Shot Put.
RUNGE . . . . .	Discus (Record 119' 10").
SCRUBY . . . . .	Pole Vault.

## Washington Meet

### FIRST PLACES.

WHITE . . . . .	440 yd.
WHITE . . . . .	880 yd.
CHOMEAU . . . . .	Mile.
WHITE . . . . .	120 yd. High Hurdles.
BRAZILL . . . . .	220 yd. Low Hurdles.
SCRUBY . . . . .	Pole Vault.
SCRUBY . . . . .	High Jump.



# ROLLAMO

"Eddie" ran just like he did everything else, and that is saying that he was a good track man. He was elected Captain of the team this year.



"EDDIE" BOHN

"Mick" is a man we could count on for a first in the low hurdles. An old track man and one who uses his head as well as his feet and lungs.



"MICKY" BRAZILL

"Hennie" spent his time last year to good advantage. He can start at eight a. m. and run until six p. m. without getting out of wind.



"HENNIE" CHOMEAU

Runge filled a place on the team which had long been weak. He picked up the discus and heaved it 119 ft. 10 inches in the Triangular meet at Drury.



C. A. RUNGE

"Bill" claims to be a sprinter because he parts his hair in the center, which forms a stream-line body. We figured Bill was good for another year, but he fooled us and the Profs.



"BILL" TAGGART

Fred is the man who moves twelve feet every time he sets one of his feet in front of the other. He has shown some speed in the three years of his track.



FRED WHITE



# ROLLIAMO



DONAI



BLOOM

## Tennis, 1920

In the tennis tournament played on the Drury courts last year the singles event was won by Griggs of Drury and the doubles event by Donai and Bloom of the School of Mines.

In the singles Bullock of the Teachers' College drew a bye; Griggs of Drury played Donai of the Miners. He won the first three sets. Griggs then played Bullock for three sets and won them handily. This gave the event to Drury, whom Griggs represented.

In the doubles we drew the bye. Muratta and Pipkin of Drury won the preliminaries from Bacon and Phillips of Teachers' College 6-1 and 6-2. Drury won the first set in the finals from us, but we took the next three. The scores were 6-2, 6-3, 6-1.



# ROLLO AMO

The opening of school in September, 1920, found a new Director, Dr. Fulton, in charge of affairs at M. S. M. As it had been decided before school opened that we were to have a new football coach, it remained for Dr. Fulton to select a man for the position. Naturally, he thought of a man from his old school, and that man was Roger J. McCune. Coach McCune came to Rolla with an enviable record, both in football and baseball. On the Case team he played quarterback for several years, as well as serving as captain during part of his career. As a baseball player he was one of the best catchers that was ever turned out at Case.

One could not help like-time he spoke at a mass what he expected of his men for them and the school. he was with us.

Football practice start-opened. Everyone seemed spirit and under the Coach's made a good record. All men doing their best, and out of four conference games er but for unavoidable ill-season's work. Under try-



ing McCune from the first meeting, when he told us and what he expected to do The liking grew every day

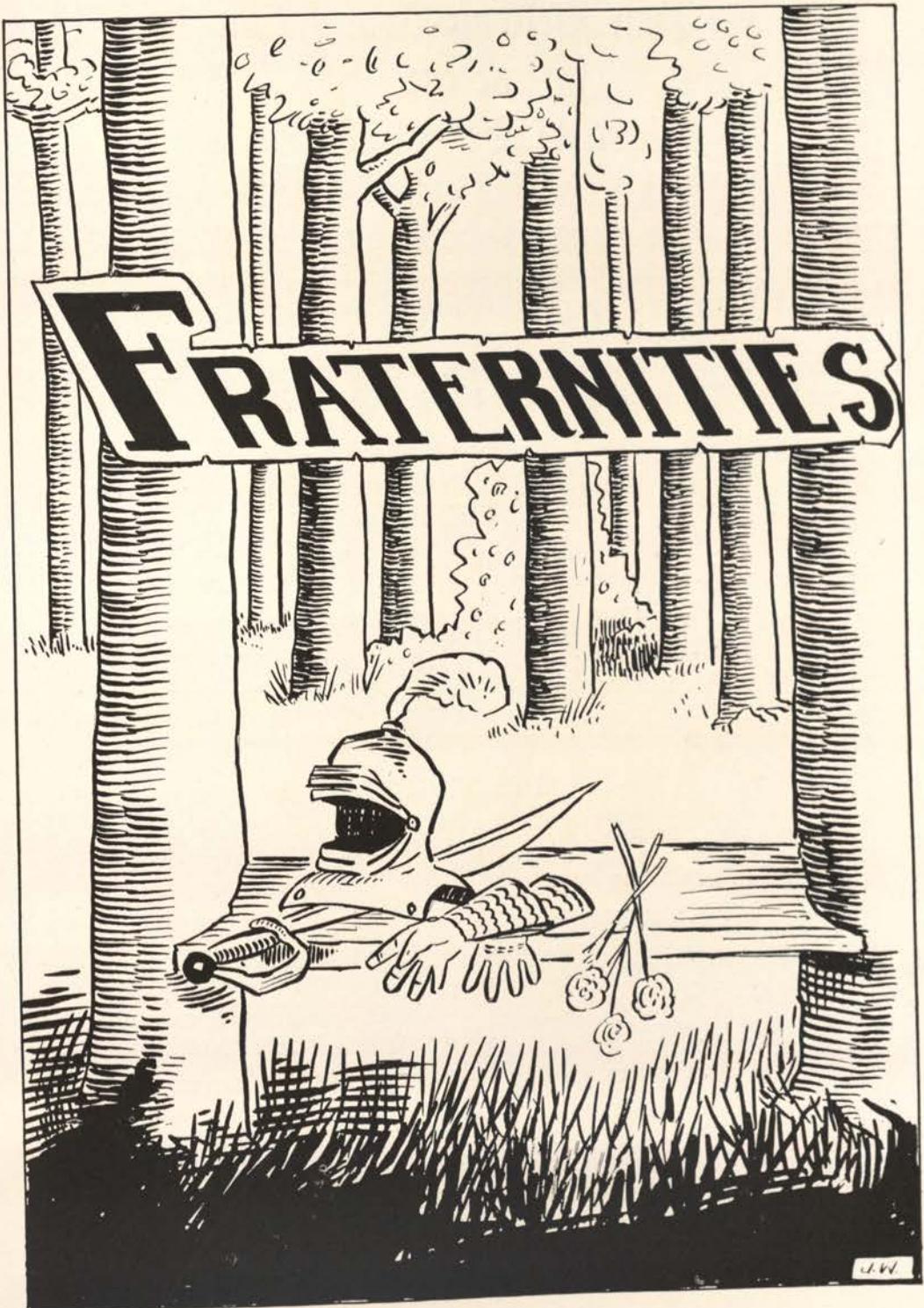
ed about a week after school to have caught the right careful guidance the team thru the season he had the the fact that we won three and might have won another luck, speaks well for his first ing conditions incident to

the death of Bohn, he worked to keep up the morale of the team. Before Coach McCune left Rolla he was appointed Assistant Athletic Director. This was welcome news to every loyal Miner, for we had learned to love and respect him as a real man. Since leaving Rolla he has undergone a severe attack of pneumonia. Owing to this he was unable to return to take up his duties this semester. He has, however, returned for the last month's work and will be on hand to pilot our next year's football team.

Here's to you, Coach!



ROLLAMO



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E.H.W.

# ROLLA MO

## Pan Hellenic Association of the Missouri School of Mines

**H**E PAN-HELLENIC ASSOCIATION of the Missouri School of Mines of Rolla, Missouri, was organized for the purpose of establishing a better spirit of co-operation between the fraternity and non-fraternity men; to strengthen the bonds of unity and intimacy among the Greek letter men, both active and alumni; and to consider, discuss and regulate those phases of fraternal college life which are essential to all fraternities.

### OFFICERS

A. L. CAIRNS . . . . .	<i>President</i>
W. H. BAXTER . . . . .	<i>Vice-President</i>
J. M. TAYLOR . . . . .	<i>Secretary</i>
N. M. ROUNTREE . . . . .	<i>Treasurer</i>

### DELEGATES

#### *Sigma Nu*

A. L. CAIRNS  
W. R. GETTLER

#### *Kappa Alpha*

N. M. ROUNTREE  
J. E. JONES

#### *Kappa Sigma*

J. M. TAYLOR  
F. P. WHITE

#### *Pi Kappa Alpha*

W. H. BAXTER  
J. P. COLBERT

#### *Lambda Chi Alpha*

A. B. NEEDHAM  
D. F. UPDIKE



ROLI AMO



# ROLLAMO

## Kappa Alpha

Beta Alpha Chapter  
(Installed April 27, 1903)

FRATER IN URBE

CHARLES L. WOODS

FRATER IN FACULTATE

CHARLES YANCEY CLAYTON

### SENIORS

GEORGE B. BLOOM

EDWIN J. BOHN

WAYMAN CROW

### JUNIORS

J. EWART JONES

THOMAS G. WEIR

JOHN H. DOUGHERTY

STUART E. STORRS

OSCAR L. BRANDENBURGER

NEWTON M. ROONTREE

### SOPHOMORES

HAMILTON MOORE

FRED P. MATLACK

HERBERT G. SCHWARZ

GEORGE T. DIERKING

JOHN F. HELMERICHS

DOD G. GIBSON, JR.

EVERETT J. WENDELL

### FRESHMEN

CURTIS E. STOVER

DAVID F. ROESE

DWIGHT L. MOODIE

WALTER E. REMMERS

HERBERT E. BARNARD



# ROLLAMO



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EHW

# ROLI AMO

## Kappa Sigma

Beta Chi Chapter

(Installed December 19, 1903)

FRATER IN FACULTATE

EDWARD WOOLRICH

FRATRES IN UNIVERSITATE

### SENIORS

HUSTON TAYLOR  
CHARLES R. MIZE  
WILLIAM W. KEELER  
LEON B. SCHUMACHER

WILLIAM HOKE  
VERNON I. KEETER  
FRED P. WHITE  
RICHARD L. JOHNSON

### JUNIORS

HAROLD K. EWING  
FRANK R. HENDERSON  
CAMPBELL C. CAMERON

F. P. KOHLBRY  
EDGAR A. KEELER

### SOPHOMORES

NEAL M. HAM  
ELMO G. HOOPER  
J. LAWRENCE GREGG

I. K. OWENS  
PAUL E. FISCHER

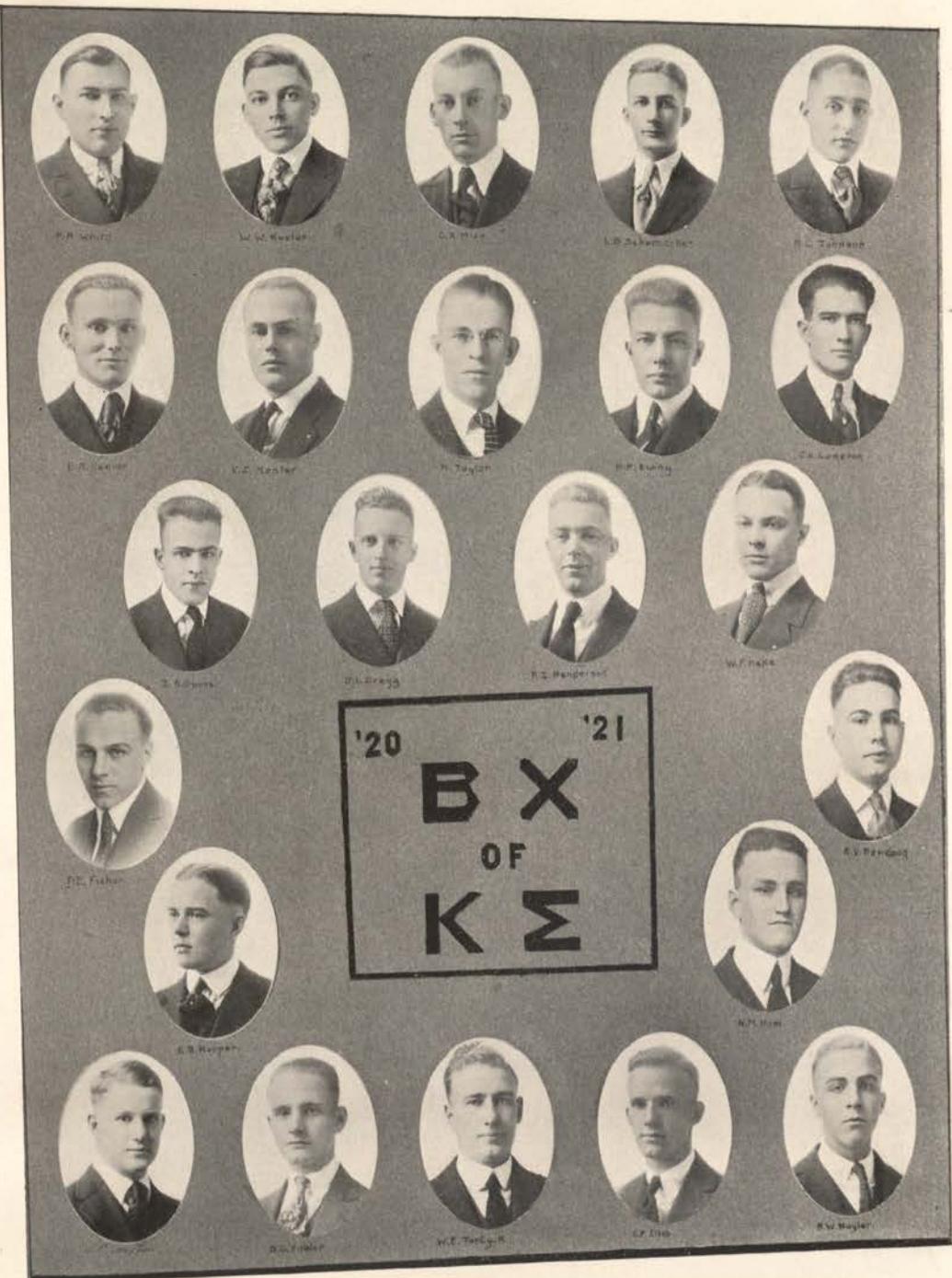
### FRESHMEN

JACK CAMPBELL  
CLARENCE F. ELLIS  
GEORGE E. GABLER

ARCH W. NAYLOR  
WARREN E. TENEYCK



# ROLLAMO



# ROLLAMO

## Lambda Chi Alpha

Alpha Delta Chapter

(Installed April 30, 1917)

### SENIORS

A. C. LAUN

A. B. NEEDHAM

H. W. HURD

J. H. ROHLOFF

### JUNIORS

J. L. BULGER

P. D. WINDSOR

K. DE COUSER

R. H. KNIGHT

S. K. REID

K. R. TEIS

F. E. GRAY

D. F. UPDIKE

F. K. M. HUNTER

### SOPHOMORES

R. A. LINDGREN

ST. C. HOMER

J. G. HUCKINS

J. K. MURPHY

W. P. GATTS

J. V. HARRIS

V. JOSLIN

C. M. RUOFF

H. W. HODGES

### FRESHMEN

J. O. HUNT

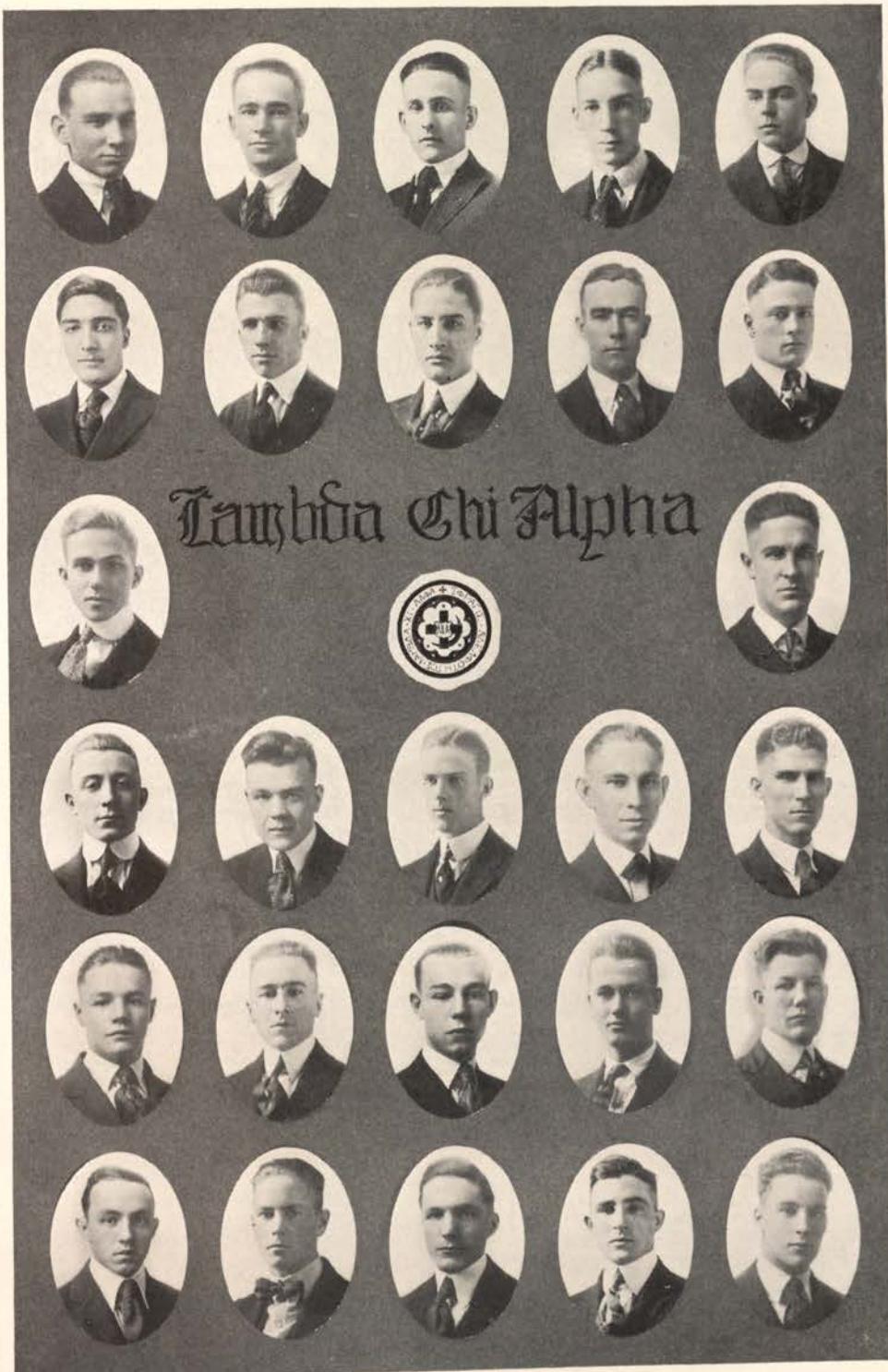
J. M. WASMUND

A. E. BUCK

A. HEDBERG



# ROLL AMO



Lambda Chi Alpha



# ROLI AMO

## Pi Kappa Alpha

Alpha Kappa Chapter  
(Installed December 2, 1905)

FRATER IN FACULTATE

WILLIAM WALBRIDGE WEIGEL

### SENIORS

CHARLES L. SMITH	KARL W. BOOKER
CARROL P. BURFORD	RUSSEL W. HUNT
BERNARDI E. HAMMER	PERCY G. FORMAN
EDWIN L. MILLER, JR.	HAROLD L. BAILEY
HARRY H. HUGHES, JR.	JOHN RAY FIEDLER
BENJAMIN S. CORNWELL	HOWARD O. NORVILLE
JULES PHILIP COLBERT	VIRGIL L. WHITWORTH
WILLIAM L. STEWART, JR.	ANVIL CLARK WILLIAMS

### JUNIORS

PAUL H. KARGES	BRUNO RIXLEBEN
JOHN F. HOSTERMAN	MERTON IRA SIGNER
HOMER LA KIRBY LEONARD	WILLIAM H. BAXTER
GLEN SHERMAN WYMAN	

### SOPHOMORES

HOWARD FLECK	IRVIN W. KEYES
WILLIAM KEELING	HARRY S. PENCE
MELVIN P. WEIGEL	BEN M. LAYTON
WILLIAM C. ZIEGLER	E. H. CATHCART
WILLIAM SAYLE ROBERTSON	

### FRESHMEN

ARLO LOWELL HUNT	HOWARD O. SCHRAMM
CLYDE SPERRY METCALF	JOHN RAWLINGS WALKER
WILFORD STILLMAN WRIGHT	CHRISTIAN F. SCHAEFER



# ROLI AMO



# ROLI AMO

## Sigma Nu

Gamma Xi Chapter

(Established January 23, 1903)

FRATER IN URBE

JOHN M. SOUTHGATE

FRATRES IN FACULTATE

JOSEPH W. BARLEY

HENRY H. ARMSBY

SENIORS

ARTHUR L. CAIRNS  
HAROLD F. PATTERSON  
HOMER A. HOLLINGSHEAD

JOSEPH M. WILSON  
JAMES M. WILSON  
CHARLES J. MILLAR

JUNIORS

WARREN R. GETTLER

HOWARD S. CRAWFORD

SOPHOMORES

KARL A. SCHMIDT  
ALFRED S. CHAPPUIS  
BILLIE RAYMOND MENNIE  
CHARLES G. KISKADDON  
CHARLES J. COLLET

MARION W. WATKINS  
RAYMOND F. ORR  
JOHN P. GORDON  
HENRY E. ZOLLER  
FRANK COFFMAN

JEAN PAUL BRYAN

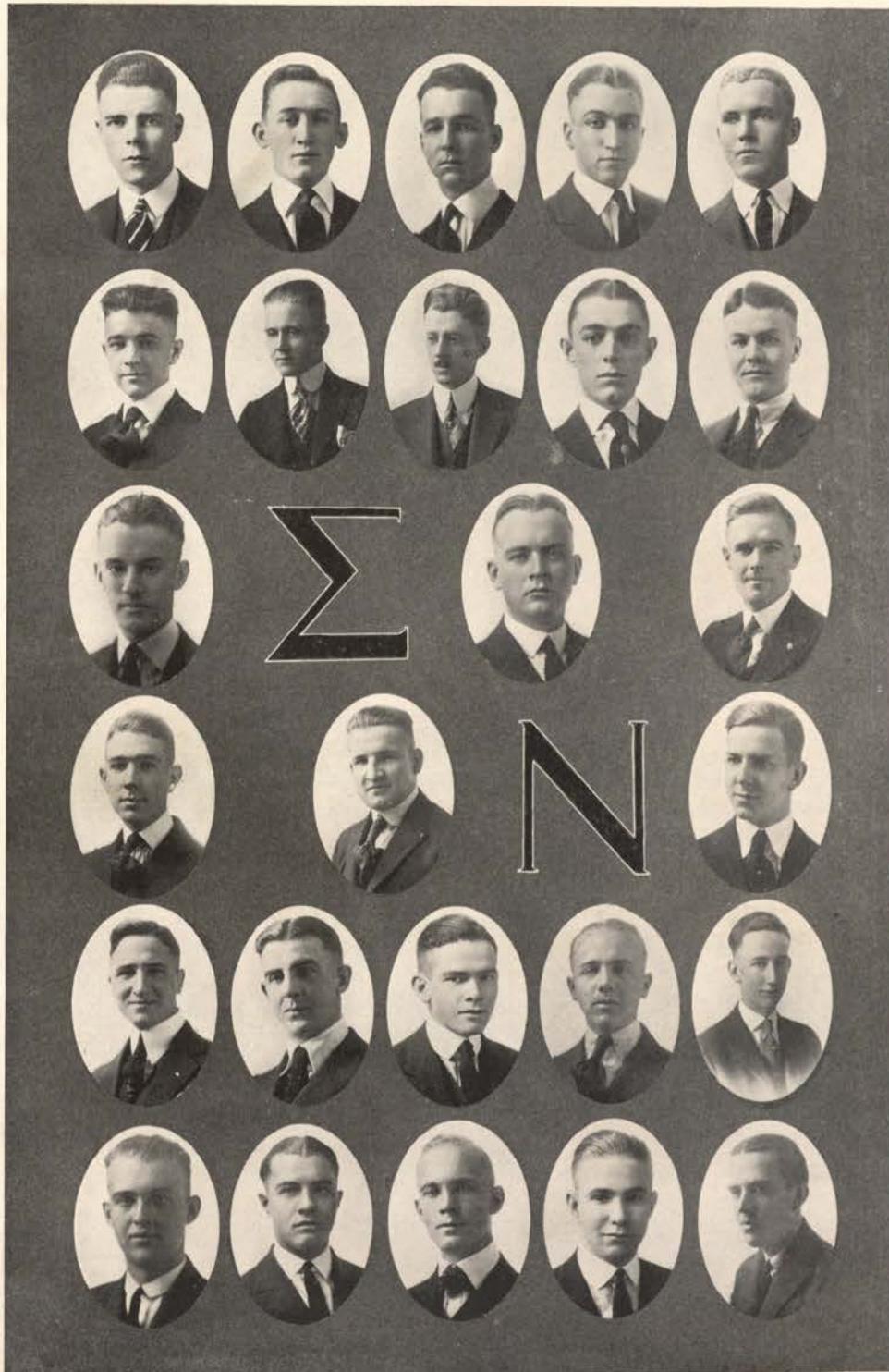
FRESHMEN

ROBERT M. COURTNEY  
RUSSEL H. KENNING

JAMES CHRISTOPHER  
FRANK M. TIRRE  
WARING MIKELL



# ROLI AMO



# ROLI AMO

## "Why"

I received a manuscript by mail one day and upon reading it was surprised at its good qualities. It was rather a unique piece of literature. At first I did not see how I could possibly print it, but after some thought the thing began to be funny to me and consequently I desired to let everyone in on the joke. As I am not a D. D. M. I could not write the thing out at various places on the sidewalks, therefore I am taking the only method I have of letting all have a laugh over this. Consequently I present this paper to you, in continued form throughout the book.

—*The Editor.*

## "Why"

(A story in five episodes.)

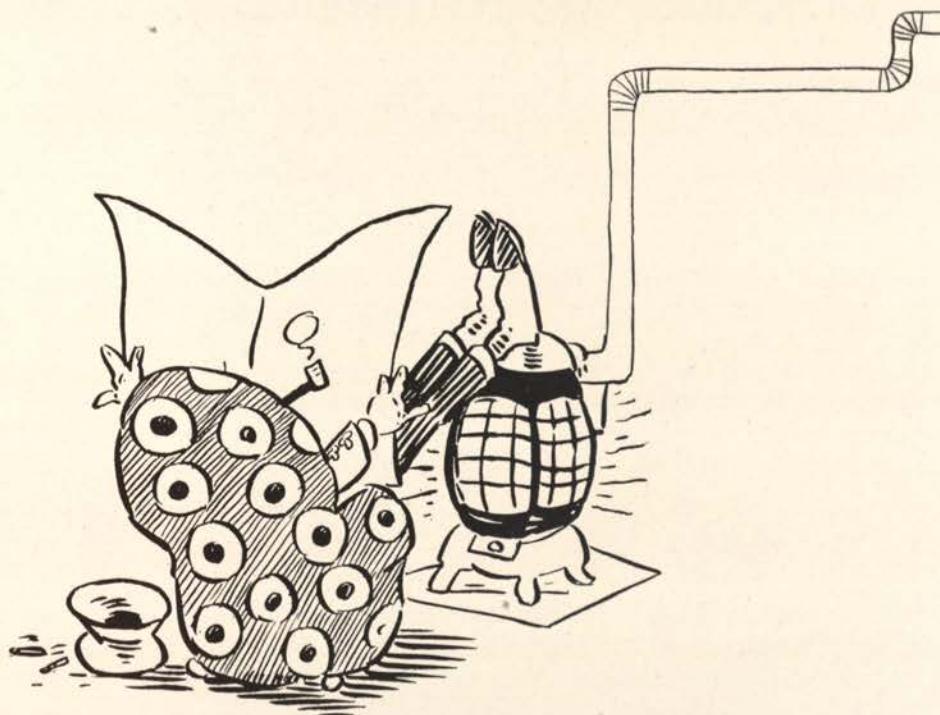
During the first week of school last fall a certain Freshman was "rushed" by all of the fraternities which have chapters at the School of Mines. Each crowd was so sure that it had the best bunch of men in school it made this Frosh suspicious and the "rushing season" ended without his honoring any of the chapters with his pledge. It happened that one day not long ago we were speaking with this man about various things and during the course of the conversation he mentioned the fact that he knew several "brotherhoods" very well but had never affiliated with any of them because—but then the following is a record of the statements made by the various chapters to this man the first day he was in school and from these statements you can see "WHY."

(Continued on page 138.)



ROLI AMO

# CLUBS.



Joe Wilson



# ROLLAMO

## Bonanza Club

### GRADUATE

JOHN H. BOWLES

### SENIORS

E. M. GUY  
J. C. SALMON  
L. E. LUMPKIN

J. G. MILLER  
W. R. DENISON  
M. A. BADOLLET

H. F. VALENTINE

### JUNIORS

L. HAGOOD  
H. E. DIERS  
R. D. SMITH  
I. W. ALCORN  
H. C. LOESCHE  
R. E. RICHARDS

G. P. DIERS  
S. M. HAYES  
E. F. CHAPIN  
A. F. DENISON  
E. W. REMBERT  
R. C. McClurken

G. J. CHRISTNER

### SOPHOMORES

D. S. MOSBY  
P. M. BROWN  
S. H. STUART

F. Z. MEEKS  
M. N. BEDELL  
T. C. SCHOTT

T. M. THOMPSON

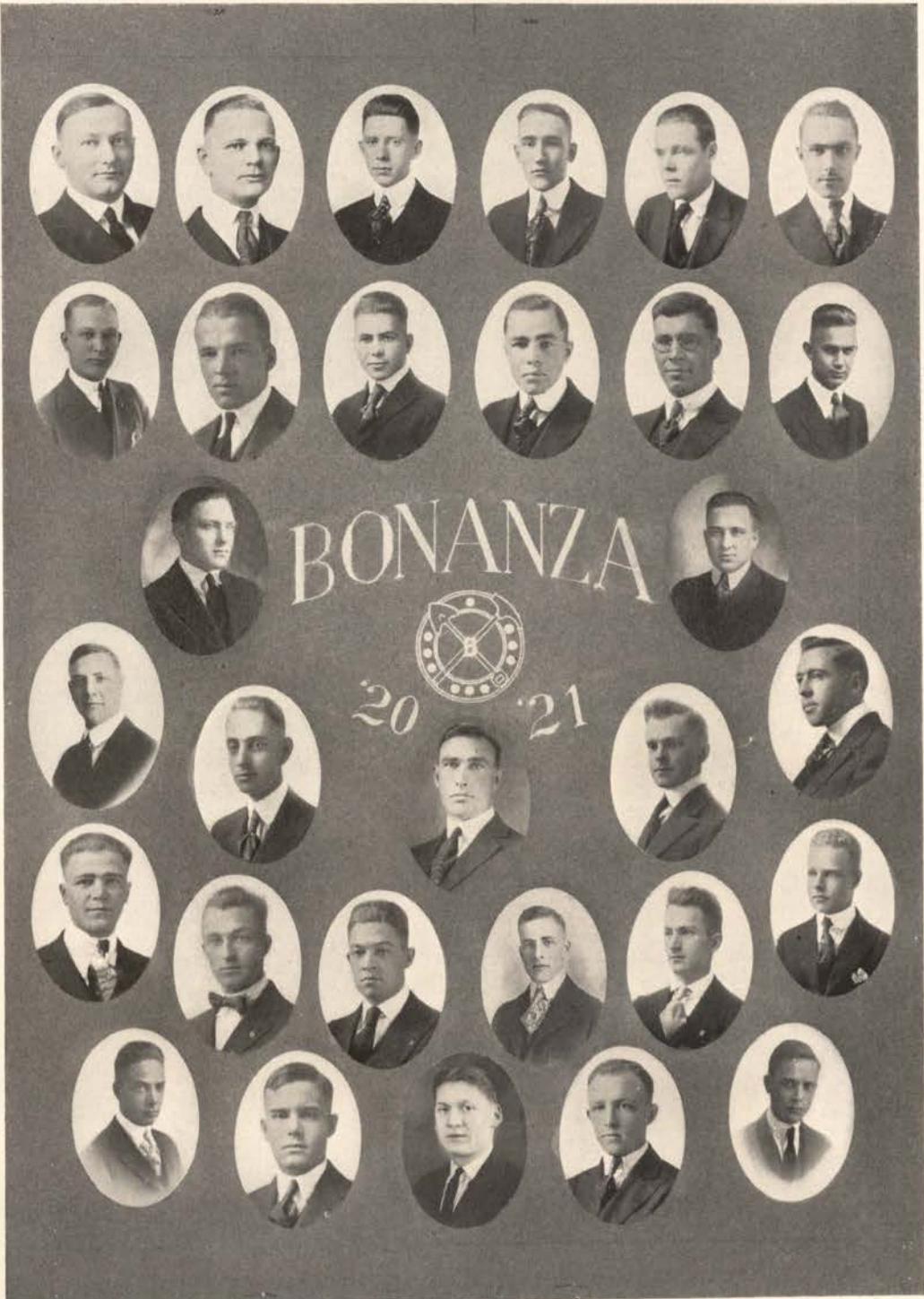
### FRESHMEN

P. L. BLAKE  
P. L. THOMPSON

C. L. KEMPER  
E. B. SANDERS



# ROLLAMO



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EHW

# ROLI AMO

## Grubstaker's Club

### SENIORS

R. J. STROUP  
W. F. NETZEBAND  
F. A. KAULLEN

M. W. WALLACE  
R. K. STROUP  
L. COLLINS

### JUNIORS

J. E. JEWELL  
E. S. WHEELER  
I. F. HODGES  
R. O. ERICKSON

J. T. HODGES  
A. L. ACKERS  
T. S. WOLVERTON  
H. M. WHITNEY

### SOPHOMORES

M. V. HEALEY  
S. I. ZOOK  
W. K. TELLER  
E. PESOUT  
H. C. BUSER

A. B. WILKERSON  
W. E. TETER  
W. H. WEIMER  
R. J. LAPEE  
R. A. HOFFMAN

### FRESHMEN

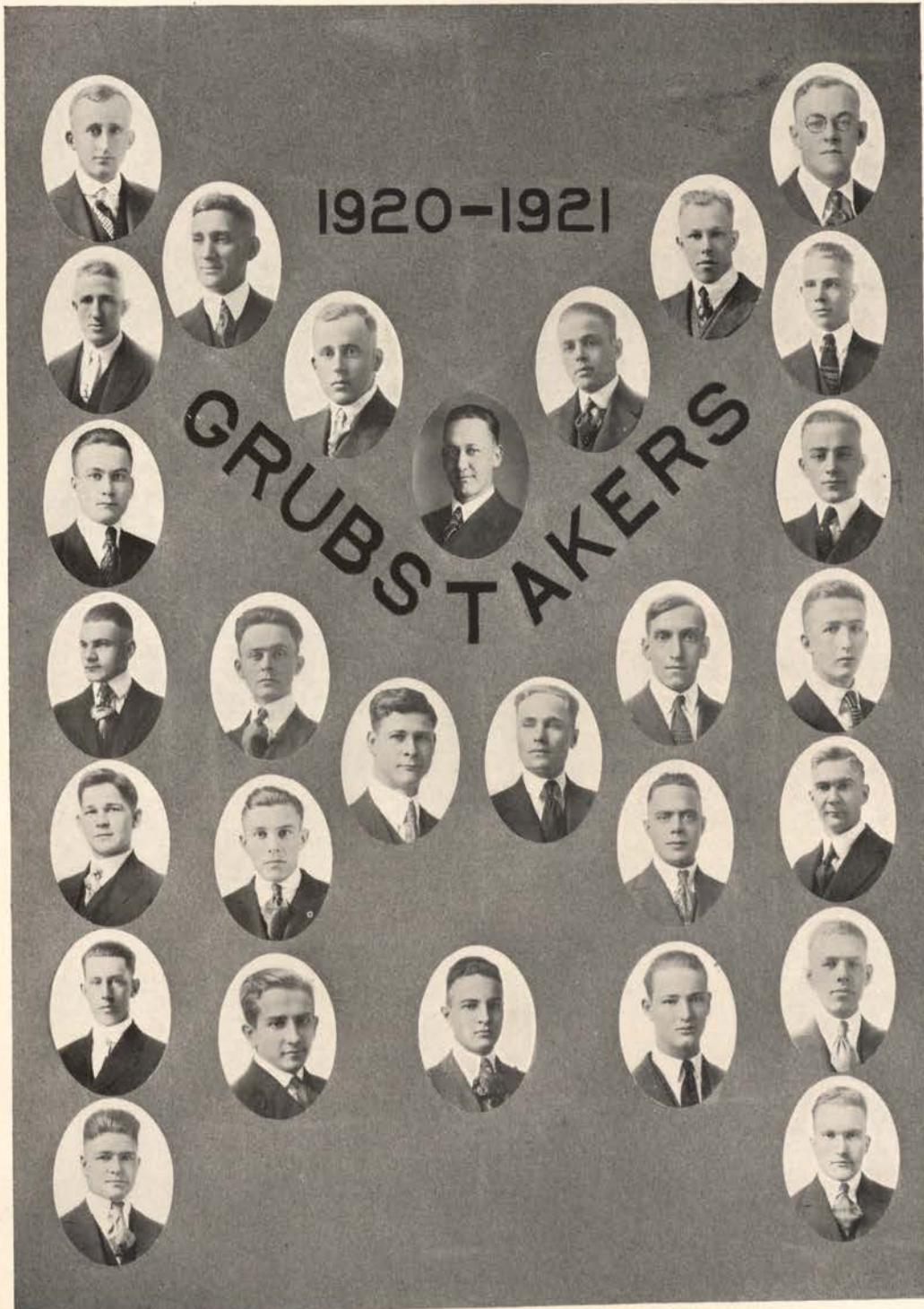
A. W. WALKER  
I. SUBLET

H. H. HEIDTMAN  
C. W. B. SITZLER

H. H. CARLTON



# ROLI AMO



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E.H.W.

# ROLI AMO

## Prospectors

### SENIORS

L. E. DAVIDSON  
H. W. HURST

FRED A. DECKMEYER  
BARNEY NUDELMAN  
W. R. QUILLIAM

### JUNIORS

MUIR L. FREY  
R. G. KASEL  
VICTOR E. KIMMEL

HAROLD L. CHILDRESS  
W. H. METZGER  
W. H. DUNLOP

### SOPHOMORES

JOHN M. REEVES  
DAVID F. WALSH  
J. J. HABERTHIER  
R. E. MURPHY

STEPHEN M. BURKE  
VANCE H. WEBSTER  
GEORGE A. ZELLER  
JAMES A. WESTGARD

### FRESHMEN

C. G. BOWERS  
CARLETON SMITH

CYRUS W. MAGALIS  
S. C. ALGERMISSSEN

### SPECIALS

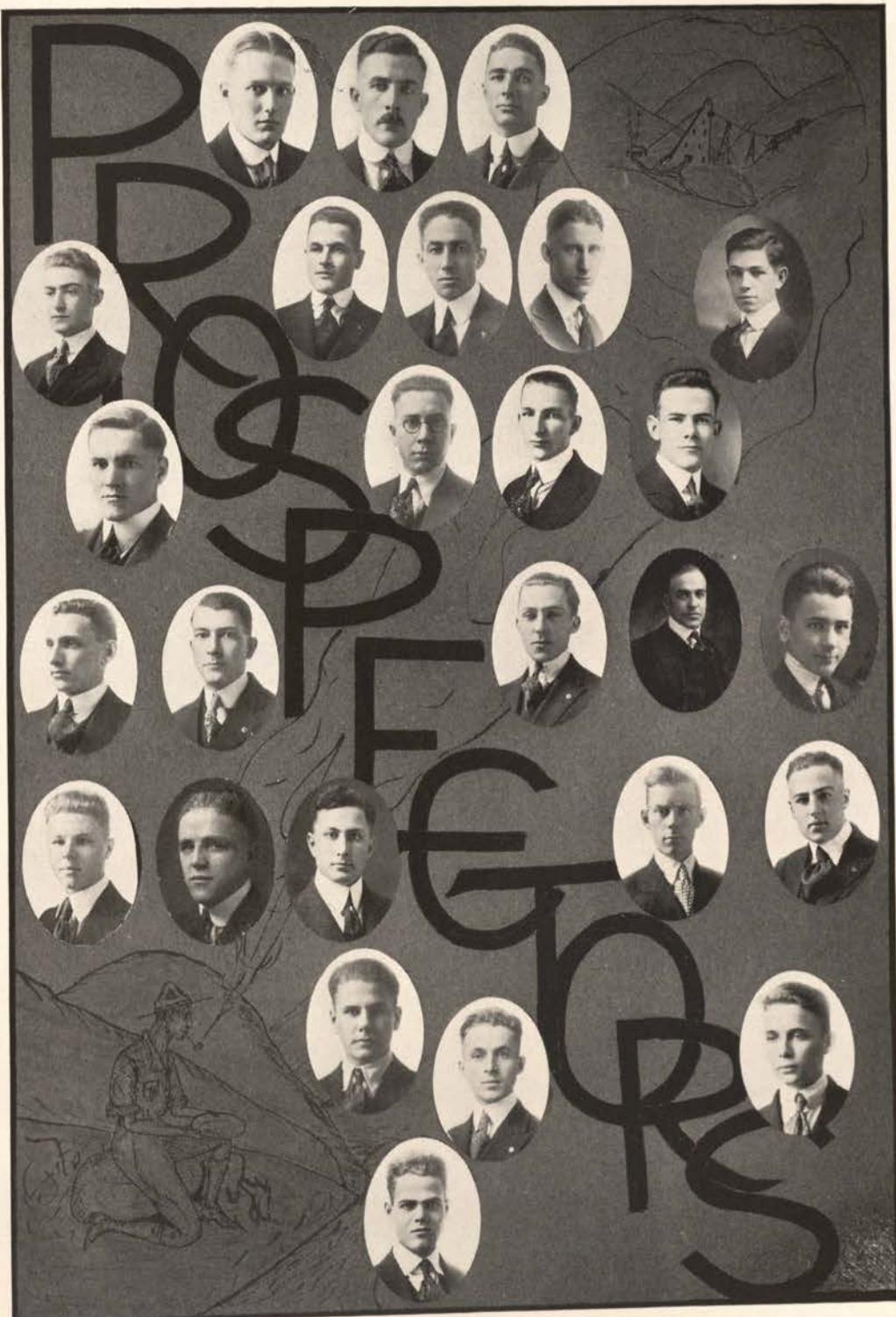
EDWIN H. SANGUINET

A. J. ANDERSON  
GUY R. SCOTT

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ROLL AMO



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# ROLLAMO

## Independents

### CLASS OF '21

H. C. KERR  
A. D. HAHN  
MEYER GOLLUB

A. F. DELALOYE

H. Y. MA  
H. P. SHIH  
K. Y. CHANG

### CLASS OF '22

W. E. CASE  
R. J. KENYON  
NATHAN PACKMAN

E. G. MACHIN  
A. C. RUCKER  
F. R. HALASEY

### CLASS OF '23

H. WELLS  
C. L. GRIP  
F. H. HOLLOW  
P. J. HEGWER  
J. L. ANDREWS  
J. M. WANNAMACHER

L. LINZER  
R. TRAGITT  
R. ZEVALLOS  
A. B. JEWELL  
EDW. TORRENCE  
J. F. WALLACE

### CLASS OF '24

J. CASTELLI  
B. K. BAUMGARDNER

W. E. CASEY  
W. S. GRAHAM

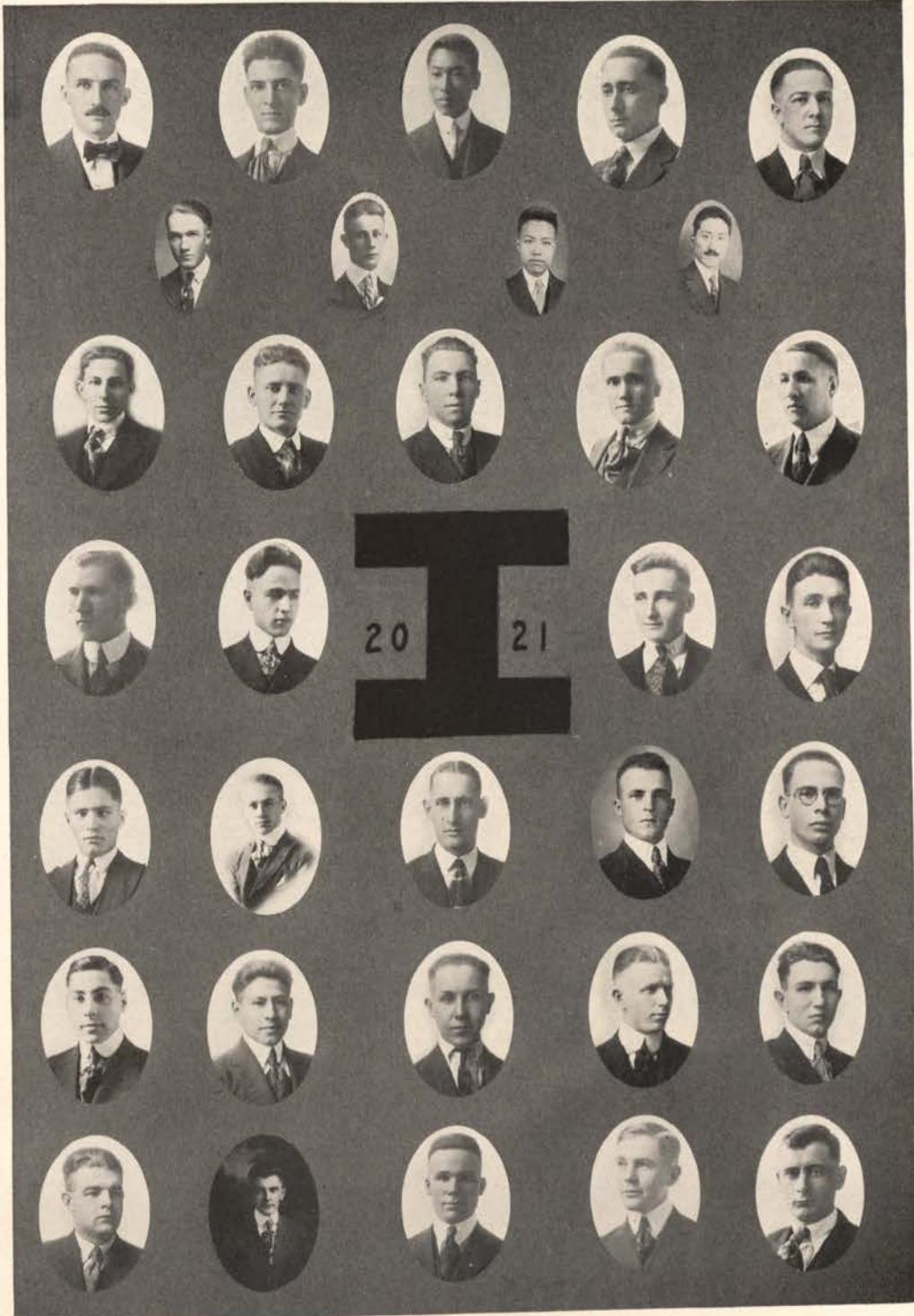
### SPECIALS

C. HUNTER  
H. W. HOPPER

H. JONES  
W. R. STEBBINS



# ROLLAMO



# ROLLA MO

## "Why"—Continued

### FIRST EPISODE

**W**HEN I got off Number Eleven I was greeted by an eager looking young man who asked me if he could show me around the town (which was the first time I knew that Rolla was not a city). After toting my grip around for some time he asked me if I wouldn't go over to the "house" with him. Now, I am from St. Louis, and when he mentioned the word "house" I jumped at the chance and away we went. During our walk I noticed that he wore a something on his vest which looked to me like the emblem of the United Brotherhood of Moving Picture Machine Operators; but when I asked him what it was he told me in sacred tone that it was his "Fraternity pin." It seemed as if all the men that we met belonged to the same organization, and when we saw a student wearing any other sort of a pin my conductor would sort of shy off and somehow I never got to know any men who wore other sorts of pins. By this time we were approaching a large building that stood just south of the Campus (I didn't know that it was a Campus at that time, it just looked like a "yard" to me). Groups of young men whom I took to be students were standing around on the porch giving all of their attention to certain other specimens whom I afterward found to be first year men. This puzzled me, too, for I had always heard that the upper classmen were mighty rough on Freshmen; such, however, was not the case, and I found that never before had I received such an excess amount of attention as I got at that place. Dinner was served, and after dinner cigars were handed out and some of the more worldly wise were taken upstairs and offered liquor of various kinds, which was seldom refused though most of us had never taken a drop before. Then one by one the new men began to disappear only to reappear some minutes afterwards with faces wreathed in smiles and wearing a little round button on the lapel of their coat the meaning of which I did not know. However, I was not allowed to sit here long unmolested and I too was called up stairs and taken into a room lined with a crowd of the fratres in universitate, and their story began:

"We've the best bunch of men in the University and we are the strongest financially of any of the fraternities in the College. We've got the most spirit of any bunch in the school; we can prove it because we give our yell after every meeting. We have some of the most influential men in the school, not to mention Doc Armsby, who works for us as much as he can and is slick enough to get by with it. We once had another member of the faculty, but somehow he has gone back on us—we don't know why. Football? Goodness, yes! We've got the captain of the team and most of the members of the team and if we can work it just right we will have a Sigma Nu team, and the emblem that the players will get will be a snake instead of an "M." Some idea, isn't it?"

Now we don't claim to be perfect, but you will have to admit that we are pretty darn good. (They admit it themselves.) Now, Old Fellow (throwing an arm around my shoulders), we have come to like you mighty well and we want you to become one of us. Just cancel all the rest of your dates and wear this little button.' Now frankly, I looked like a fool to turn down such a great crowd of fellows; but that's what I did.

(Continued on page 146)



ROLL AMO

# ORGANIZATIONS



# ROLIAMO

## Tau Beta Pi

Beta of Missouri  
(Installed December, 1906)

### HONORARY

C. J. ADAMI	L. S. GRISWOLD
E. R. BUCKLEY*	J. A. HOLMES*
H. A. BUEHLER	G. E. LADD
D. COPELAND	D. A. LYONS
W. E. COX	A. L. MCRAE
R. E. DUFFY	P. N. MOORE
R. M. RICHARDS	R. C. THOMPSON
L. A. TEST	L. E. YOUNG
C. M. WOODWARD*	

### FRATRES IN FACULTATE

T. M. BAINS	L. E. GARRETT
C. Y. CLAYTON	C. H. FULTON
G. R. DEAN	J. R. GUITERAS
C. R. FORBES	K. K. KERSHNER

### FRATRES IN UNIVERSITATE

W. W. WEIGEL	E. W. REMBERT
L. E. DAVIDSON	M. L. FREY
W. L. STEWART	E. S. WHEELER
W. F. NETZEBAND	J. F. HOSTERMAN
JOHN BOWLES	D. F. UPDIKE
R. J. STROUP	W. H. DUNLOP
J. P. COLBERT	J. E. JEWELL
J. M. WILSON	H. S. CRAWFORD
A. C. WILLIAMS	W. H. BAXTER
R. K. STROUP	C. R. MIZE

H. P. SHIH

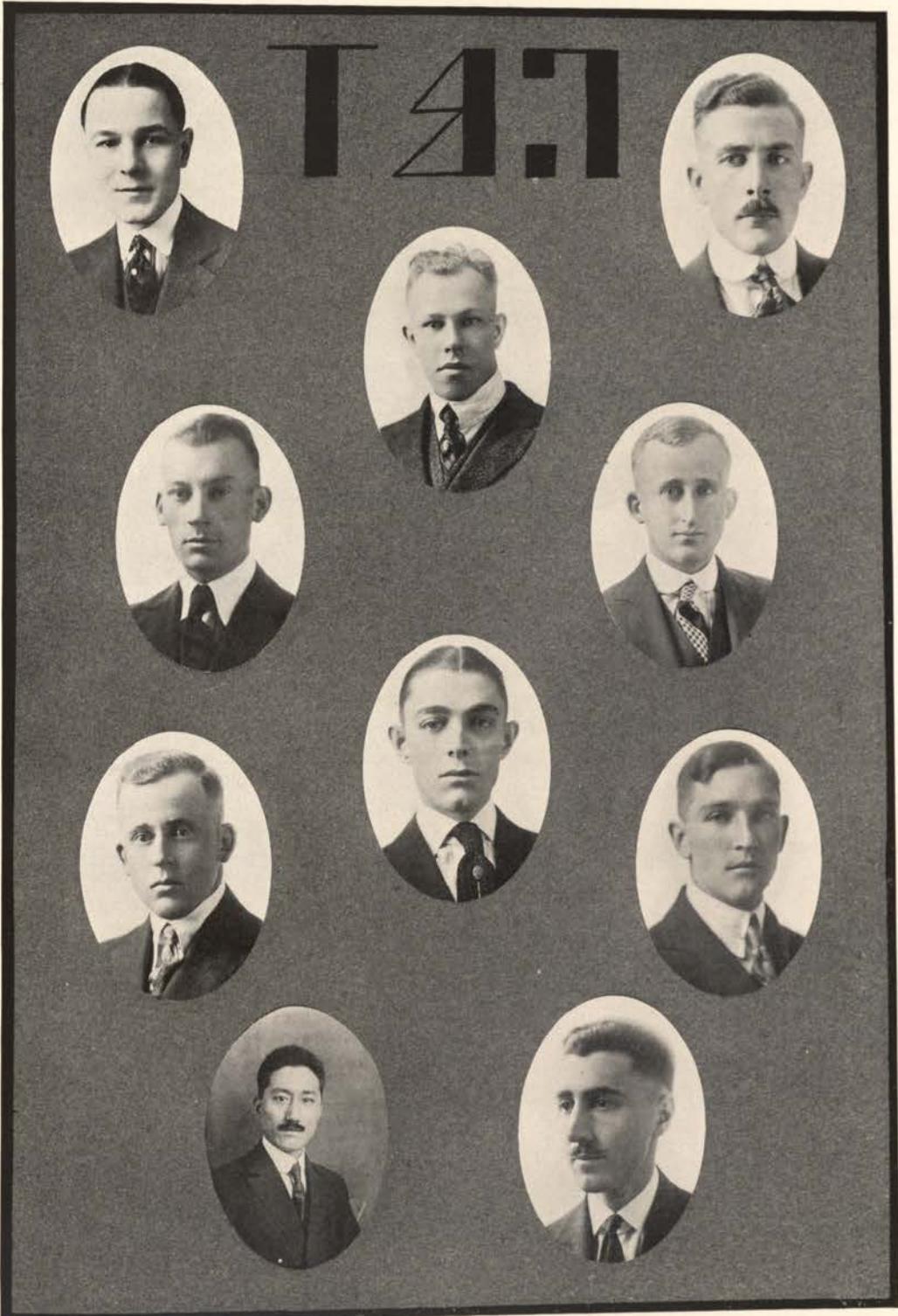
\*Deceased.

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EHW

# ROLL AMO



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EHW

# ROLI AMO

## Theta Tau

Iota Chapter  
(Installed December 30, 1915)

### HONORARY MEMBER

H. A. BUEHLER

1921

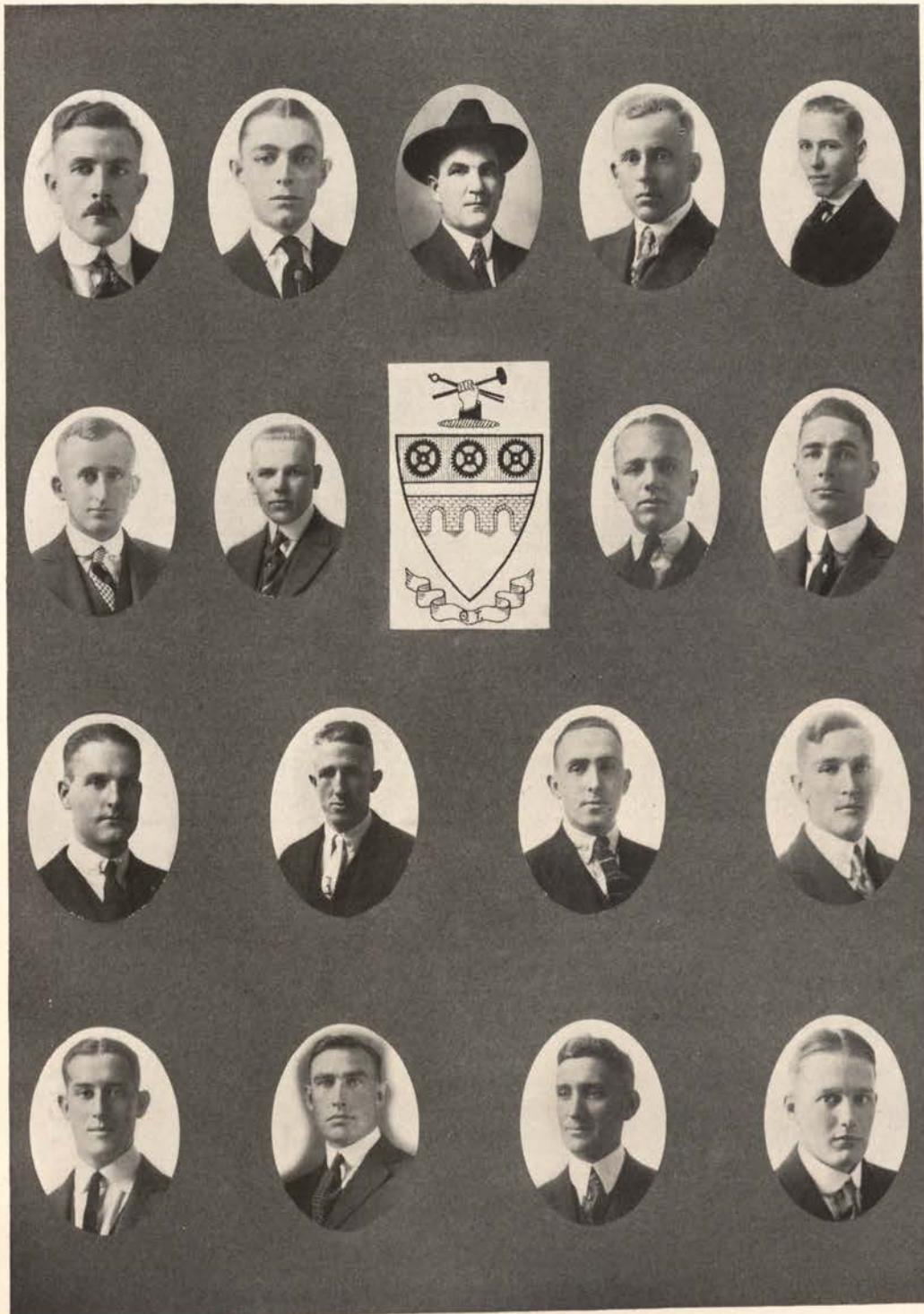
HAROLD LELAND BAILEY	HOWARD OLIVER NORVILLE
LEWIS ELY DAVIDSON	RICHARD JOHN STROUP
JOSEPH MARTLAND WILSON	LAWRENCE COLLINS
HENRY WILLIAM HURST	ROBERT K. STROUP
ANVIL CLARK WILLIAMS	JOHN RAY FIEDLER
SAMUEL HORACE LLOYD	

1922

WARREN ROY GETTLER	WILLIAM H. DUNLOP
JOHN FRANCIS HOSTERMAN	JAMES EDWIN JEWELL
STANLEY MERTON HAYES	



# ROLI AMO



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F.H.W.

# ROLL AMO

Geology

Metallurgy

Mining

## Sigma Gamma Epsilon

Eta Chapter

(Installed December 22, 1920)

### PROFESSIONAL

C. R. MIZE . . . . .	<i>Mining</i>
G. B. BLOOM . . . . .	<i>Mining</i>
H. E. DIERS . . . . .	<i>Mining</i>
D. F. UPDIKE . . . . .	<i>Metallurgy</i>
I. F. HODGES . . . . .	<i>Mining</i>
W. W. KEELER. . . . .	<i>Mining</i>
A. B. NEEDHAM . . . . .	<i>Mining</i>
A. F. DENISON . . . . .	<i>Mining</i>
J. EWART JONES . . . . .	<i>Mining</i>



ROLI AMO



ΣΓΕ



# ROLI AMO

## "Why"—Continued

### SECOND EPISODE

"Now I had been seeing a lot of these students in school wearing a sort of a diamond shaped pin and I wondered if there could be any chance of going to their house. Soon enough the chance came and when I entered their home I found that it was just a big eating club and they had about fifty members and going strong. I liked this crowd for it seemed to me that it would be less expensive for a large crowd to live together than a small one (anyway, that's what they told me), and when I was called 'upstairs' this is what I learned about this chapter:

'We've got things just the way we want them this year. During the war we had so many men stay in the Student Army that we were able to get things well in hand; we are patriotic, too, for didn't almost all our men volunteer to join the S. A. T. C.?

'We have some good men, too. Take our Bills, for instance. They can do anything and get away with it—even to alcohol. One of them was at Yale, too; went there a whole year one month. He was pledged Deke also, but when he found that they had no chapter at this school he pledged us. The other was in business during the war—we don't know what—but he's a good man all right. Take Bill Bailey, he's one of us even if he won't admit it; got him his freshman year (just like they thought they'd get me).

'There's just one thing we tried to do and didn't get results, and that didn't amount to much. We could not get our St. Pat's Queen—that we'd combine pleasure with business and get the girl, whom one of our number had in mind, but somehow it didn't work out as we expected.

'We've got enough men on the Miner Board to control that paper for several years to come.

'We've got enough men on the Tau Beta Pi roster to keep that a pledge society of ours for some time to come.

'Of course, Theta Tau is our own. Everybody will admit that. We have more strong right arms than any other frat in town—in fact, at the gentle art of hand-shaking we have no equals.

'We have so many, many things to be proud of that it is useless to tell you all of them. To sum it all up, the school could not run—absolutely could NOT operate—without our club.

'We have just twenty-five more pledge buttons left, won't you wear one of them?'

(Continued on page 150.)



# ROLLAMO



## Phi Kappa Phi

Honor Society

Missouri School of Mines Chapter  
(Installed January 29, 1920)

### ACTIVE MEMBERS

GEORGE R. DEAN	ELMO G. HARRIS
HENRY H. ARMSBY	LEON E. WOODMAN
CARROLL R. FORBES	AUSTIN L. MCRAE
JOSEPH W. BARLEY	WILLIAM D. TURNER
CLARENCE E. BARDSLEY	WILLIAM W. WEIGEL

Elected in 1920

### FACULTY

CHARLES H. FULTON	FLOYD H. FRAME
	KARL K. KERSHNER

### UNDERGRADUATES

ERNEST W. REMBERT	JOSEPH M. WILSON
WILLIAM F. NETZEBAND	ANVIL C. WILLIAMS
LEWIS ELY DAVIDSON	WILLIAM H. DUNLOP
	WILLIAM L. STEWART



# ROLLAMO

## Quo Vadis

Motto	A No. 1 Jungle.	Flower
"Please, mum"	Colors Black and Blue	Dog Fennel

"A thousand miles without a red,  
A side door Pullman for a bed—  
At some kind dame's freely fed,  
A jolly good fellow when all is said."

EDDIE BOHN

### BOE IN FACULTY

"BOOTS" CLAYTON

### BOES IN JOINT

"SQUEEK" NEEDHAM	"BUDDIE" McBRIDE
"FISH" SALMON	"DIP" WENDELL
"BRANDY" BRANDENBURGER	"JIMMIE" HARRIS
"SENATOR" REID	"JONESIE" JONES
"SIG" SIGNER	

### BUMS EN ROUTE

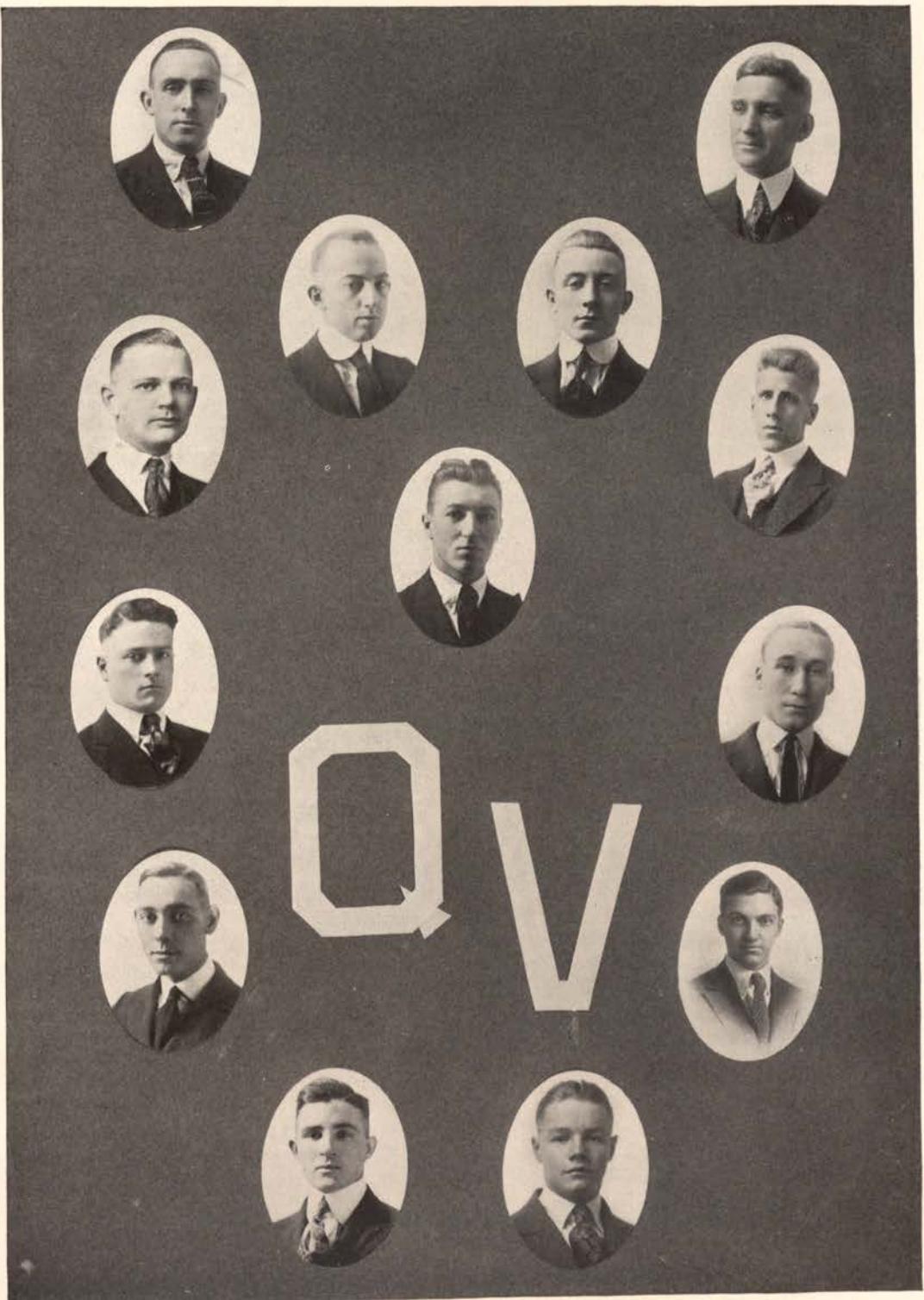
"MIKE" COLLINS	"BLOSSOM" BLOOM
"BILL" BAILEY	

### COMIN' BUMS

"MAC" McCURKIN	"NEWT" ROUNTREE
"KM" HUNTER	"HERB" SCHWARZ



# ROLLAMO



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EHW

# ROLLA MO

## "Why"—Continued

### THIRD EPISODE

"While walking down the street that evening I was accosted by a fellow wearing one of those pins shaped like a half-moon, with some other marks on it. It certainly was a good-looking pin, and I thought how my girl would like to wear one of them set with rubies and emeralds, with maybe a diamond or two mixed in it to make it look more expensive. This man greeted me like a long lost friend and asked me if my name wasn't Newman. I told him it was, wondering how he found that out. It happened that one of his lady friends was visiting in my 'Home Town' last summer and she found out from a friend of mine that I was going to school at Rolla in the fall and told him to be sure to look me up, which he did.

"I wondered how a bunch of college students could own and keep up such a nice, large house. (This is always a source of wonder to new students until they find that the houses are rented and that the landlords only rent to College Fraternities as a last resort.) Kappa Sigma has everything—even a dog, (which I later found to belong to the Kappa Alpha boys and was ostracised because of a certain ungentlemanly conduct in their house). They had colored help, which always looked big to a new man, and they certainly treated me white. The dinner was perfect and the show we attended was one of the best I had seen, so I was feeling pretty good toward the crowd 'til I was invited 'upstairs.'

"This bunch was more clever than the rest, and they began with the following conversation between two of the brothers:

"Dick, this is may last year at the old school, and how I am going to miss the bunch. The old fraternity has meant everything to me since I have been here, and how I would have hated to have been left out."

"Yes," said Dick, "it means a lot to a fellow to be called a fraternity man. A fellow little realizes when he is pledged just what an honor the fraternity is conferring upon him."

"With this little conversation they began on me: 'When you have been at the college for awhile you will find that we are not as well liked as some of the other bunches.' This is a point in our favor, as it marks us as being "individual," and really we are the most aristocratic crowd in town. We are not snobs, we are just better than anyone else and we admit it, and so will you after you know us.

"Our fraternity is the largest college frat in the world, of course Lamda Chi Alpha will be larger in time, but it will be a long time, and anyway we "pick" our men (Editor's Note—we don't know how they pick them). Our organization is the oldest in the world, it even dates back to the Catacombs and to Ancient Rome. The Masons and our fraternity are brother organizations—in fact, we have borrowed much from them.

"This chapter is one of the oldest chapters in the institution and we believe without bouquets that we are just about as good as we could be and not be too good. Of course, we have our faults and they are good faults, and you are bound to do the right thing if you wear the little badge we have here; this is our pledge button; we want you to wear it and become a member of this grand old fraternity."

"Again it seemed like I was making the mistake of my life but I did not go away wearing the black and gold button they tried to wish on me."

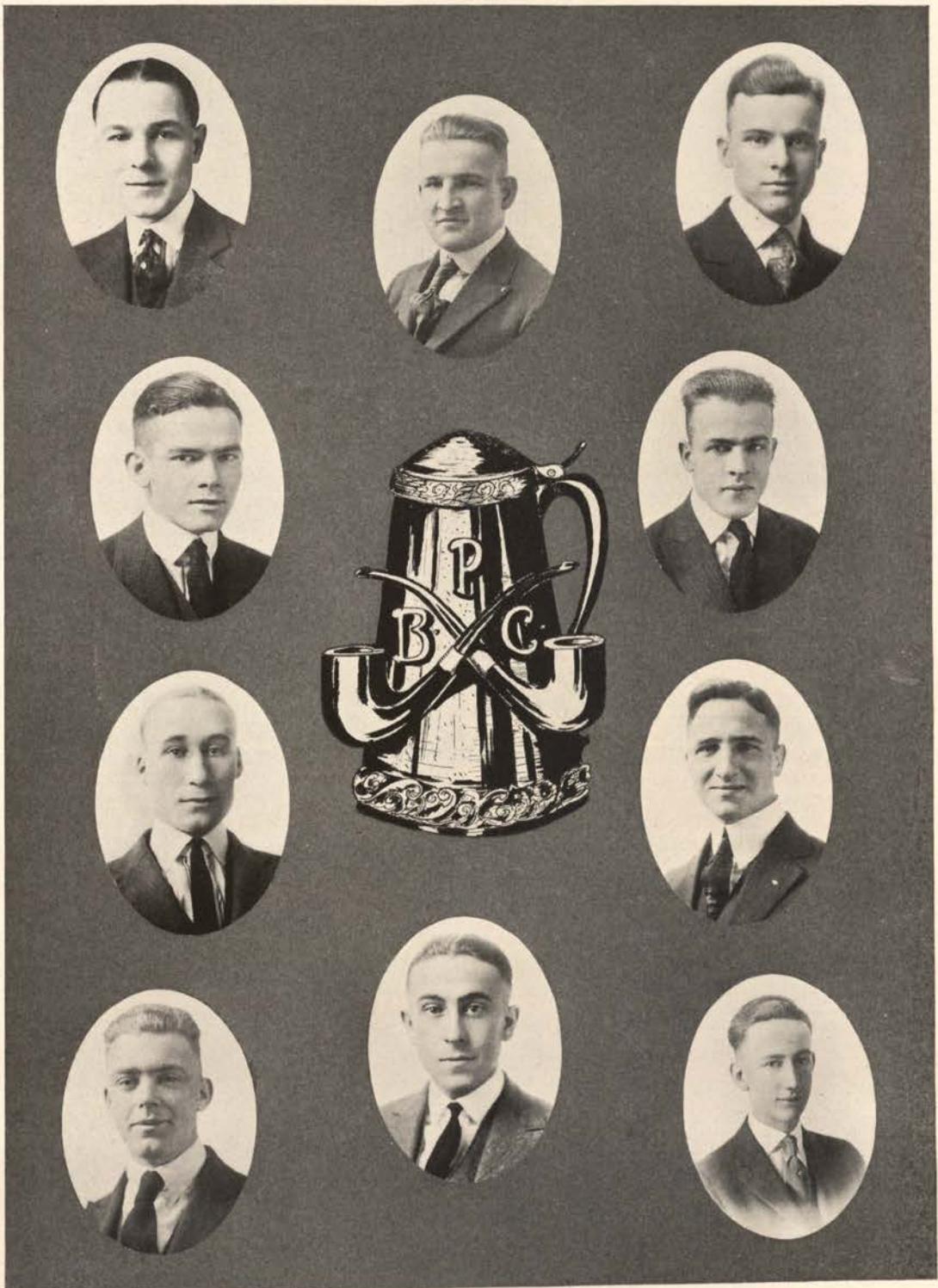
(Continued on page 174.)

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EHW

# ROLLAMO



# ROLI AMO

## Satyrs

Honorary Sophomore Organization  
(Established October, 1913)

### ACTIVE MEMBERS

D. S. MOSBY	J. P. GORDON
H. E. ZOLLER	H. S. PENCE
J. V. HARRIS	A. B. WILKERSON
S. M. BURKE	S. H. STUART
P. E. FISCHER	D. G. GIBSON
F. H. HOLLOW	V. H. WEBSTER

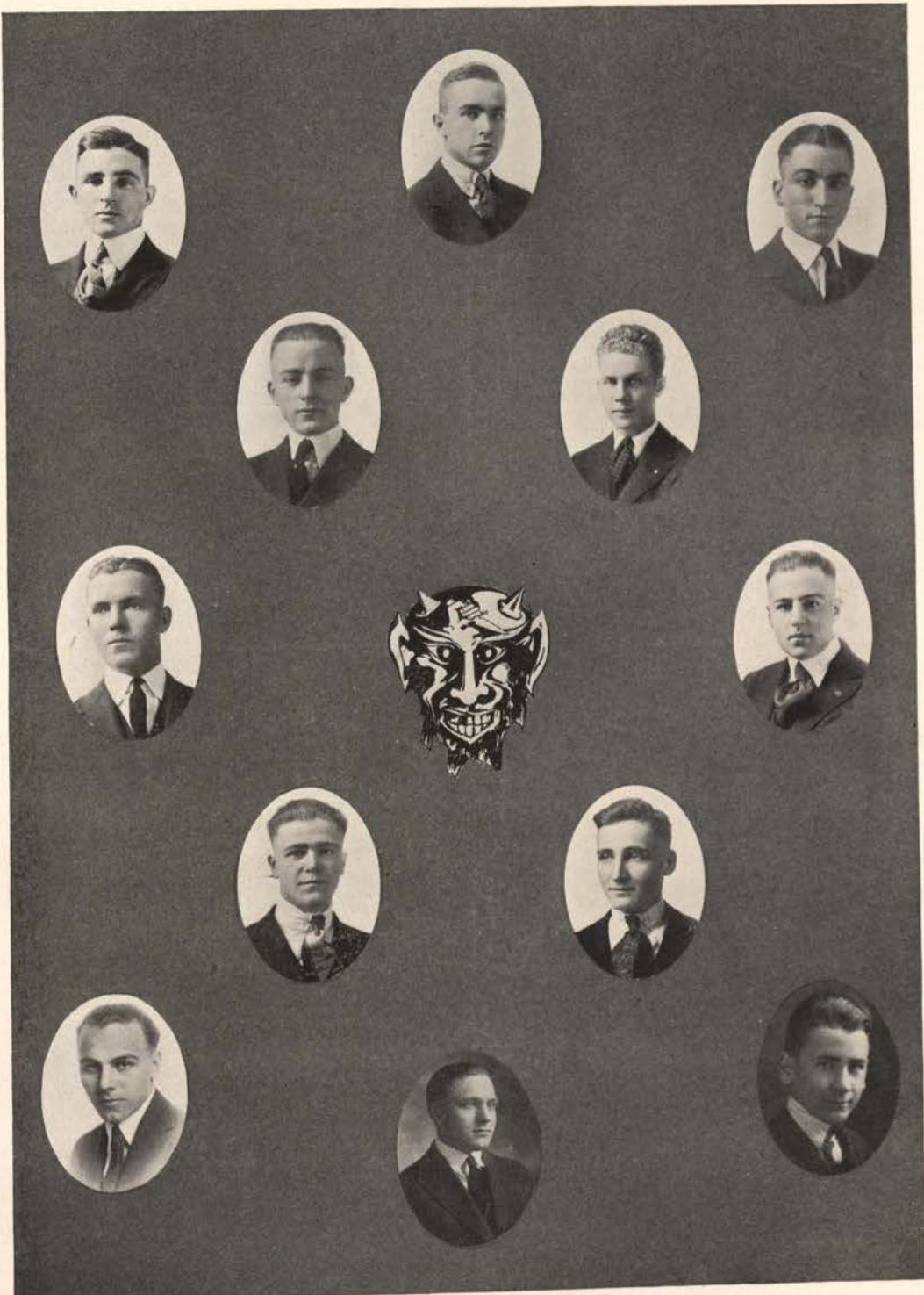
### IN THE SCHOOL

H. TAYLOR	E. M. GUY
H. H. HUGHES	J. M. WILSON
V. I. KEETER	H. C. KERR
W. R. GETTLER	J. E. JEWELL
L. HAGOOD	H. L. LEONARD
R. W. HUNT	G. J. CHRISTNER

W. E. CASE



# ROLLAMO



# ROLLAMO

## Square and Compass

(Masonic)

### HONORARY MEMBERS

WALTER ASHER	W. J. KILGORE
H. A. BUEHLER	E. J. KOCH
B. F. CULBERTSON	J. W. SCOTT
F. H. FARRIS	J. M. SOUTHGATE
M. F. FAULKENER	F. W. WEBB
R. E. HELLER	B. W. HUMPHREY
	C. L. WOODS

### OFFICERS

VIRGIL L. WHITWORTH . . . . .	<i>President</i>
GLEN V. COFFEY . . . . .	<i>Vice-President</i>
THOMAS M. THOMPSON . . . . .	<i>Secretary-Treasurer</i>
KURT DE COUSER . . . . .	<i>Sergeant-at-Arms</i>

### ACTIVE MEMBERS

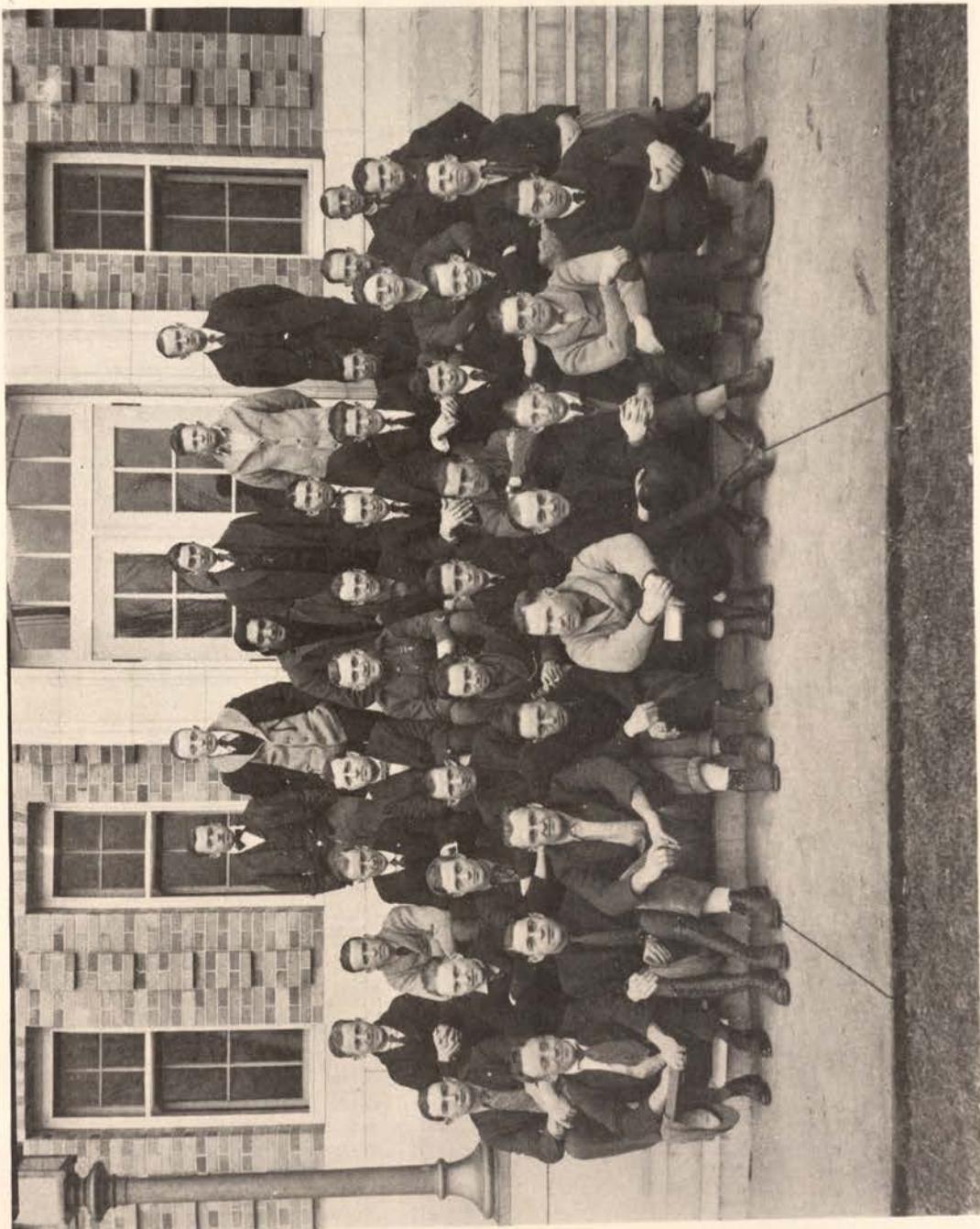
M. S. BADOLLET	C. E. BARDSLEY	W. H. BAXTER
K. W. BOOKER	J. H. BOWEN	E. F. CHAPIN
C. J. COLLET	C. L. DAKE	E. E. DECKERS
R. R. DICKERSON	H. L. DUNLAP	O. R. EVANS
C. R. FORBES	L. E. GARRET	E. M. GUY
E. G. HARRIS	D. J. HENDRY	V. B. HINSCH
D. E. HUFFMAN	V. I. KEETER	S. W. KILGORE
F. H. LANE	B. M. LAYTON	E. S. McCANDLISS
A. L. MCRAE	C. C. MOSENA	G. A. MUILENBURG
H. O. NORVILLE	M. H. THORNBERRY	F. P. WHITE
	L. E. WOODMAN	

### RECENT INITIATES

C. P. BURFORD	C. R. CAMERON	B. S. CORNWELL
J. R. FIEDLER	B. E. HAMMER	J. T. HODGES
MAX HOWARD	R. W. HUNT	V. J. JOSLIN
J. E. JONES	R. H. KNIGHT	H. L. LEONARD
L. E. W. LEPPER	B. NUDELMAN	W. J. SCOTT
E. H. SANGUINET	C. E. STOVER	W. R. STUBBINS
F. N. STRONG	K. R. TEIS	A. B. NEEDHAM
LIEUT. H. L. PECKHAM		W. E. TEN EYCK



# ROLLAMO



SQUARE AND COMPASS



# ROLDAMO

## Miner's "M" Club

E. J. WENDELL . . . . .	<i>President</i>
R. C. McCURKEN . . . . .	<i>Vice-President</i>
A. L. CAIRNS . . . . .	<i>Secretary-Treasurer</i>

### MEMBERS

J. H. BOWEN . . . . .	<i>Football '02</i>
JOE BOWLES . . . . .	<i>Football '09-'10-'11</i>
O. L. BRANDENBURGER . . . . .	<i>Football '20</i>
A. E. BUCK . . . . .	<i>Football '20</i>
J. L. BULGER . . . . .	<i>Basketball '20</i>
H. C. BUSER . . . . .	<i>Football '19</i>
A. L. CAIRNS . . . . .	<i>Football '17-'18-'19-'20</i>
H. CHOMEAU . . . . .	<i>Track '20</i>
G. J. CHRISTNER . . . . .	<i>Football '20</i>
J. V. HARRIS . . . . .	<i>Basketball '20</i>
W. H. KAMP { . . . . .	<i>Track '13-'14</i> <i>Baseball '13-'14-'15-'16</i> <i>Basketball '13-'14</i>
R. H. KENNING . . . . .	<i>Football '20</i>
L. E. W. LEPPER . . . . .	<i>Football '12</i>
H. L. LEONARD . . . . .	<i>Track '19</i>
H. E. McBRIDE . . . . .	<i>Football '20</i>
R. C. McCURKEN . . . . .	<i>Football '20</i>
A. B. NEEDHAM . . . . .	<i>Track '19</i>
I. K. OWENS . . . . .	<i>Football '20</i>
A. B. PARKHURST . . . . .	<i>Football '20</i>
J. H. ROHLOFF . . . . .	<i>Basketball '20</i>
C. A. RUNGE . . . . .	<i>Track '20</i>
J. W. SCOTT, JR. . . . .	<i>Basketball '17-'18-'19</i>
JOHN SCHUMAN . . . . .	<i>Football '12</i>
M. I. SIGNER . . . . .	<i>Basketball '19-'20</i>
J. M. SOUTHGATE . . . . .	<i>Football '99-'00-'01-'02</i>
M. H. THORNBERRY . . . . .	<i>Football '06</i>
E. J. WENDELL . . . . .	<i>Football '20</i>
F. P. WHITE { . . . . .	<i>Track '17-'19-'20</i> <i>Football '16-'19</i> <i>Basketball '17</i>
J. MORT. WILSON . . . . .	<i>Football '18-'19-'20</i>
S. I. ZOOK . . . . .	<i>Football '20</i>
H. E. ZOLLER . . . . .	<i>Football '20</i>



ROLLAMO



MINER'S 'M' CLUB



# ROLI AMO

## The Star and Garter

(Organized March, 1920)

Music and Drama

Membership Competitive

### OFFICERS

CHARLES J. COLLET . . . . .	<i>President</i>
MARION W. WATKINS . . . . .	<i>Vice-President</i>
RUSSELL W. HUNT . . . . .	<i>Secretary</i>
THOMAS G. WEIR . . . . .	<i>Treasurer</i>

### SENIORS

V. L. WHITWORTH  
L. B. SCHUMACHER

E. M. GUY  
W. L. STEWART

### JUNIORS

T. G. WEIR  
J. E. JEWELL  
R. W. HUNT  
H. E. DIERS  
D. F. UPDIKE

F. A. KAULLEN  
R. H. KNIGHT  
KURT DE COUSER  
J. E. JONES  
W. W. BOLT

F. K. M. HUNTER

### SOPHOMORES

L. LINZER  
D. S. MOSBY  
C. J. COLLET  
M. W. WATKINS

J. P. GORDON  
F. P. MATLACK  
W. P. GATTS  
G. S. DOOLEY

### FRESHMEN

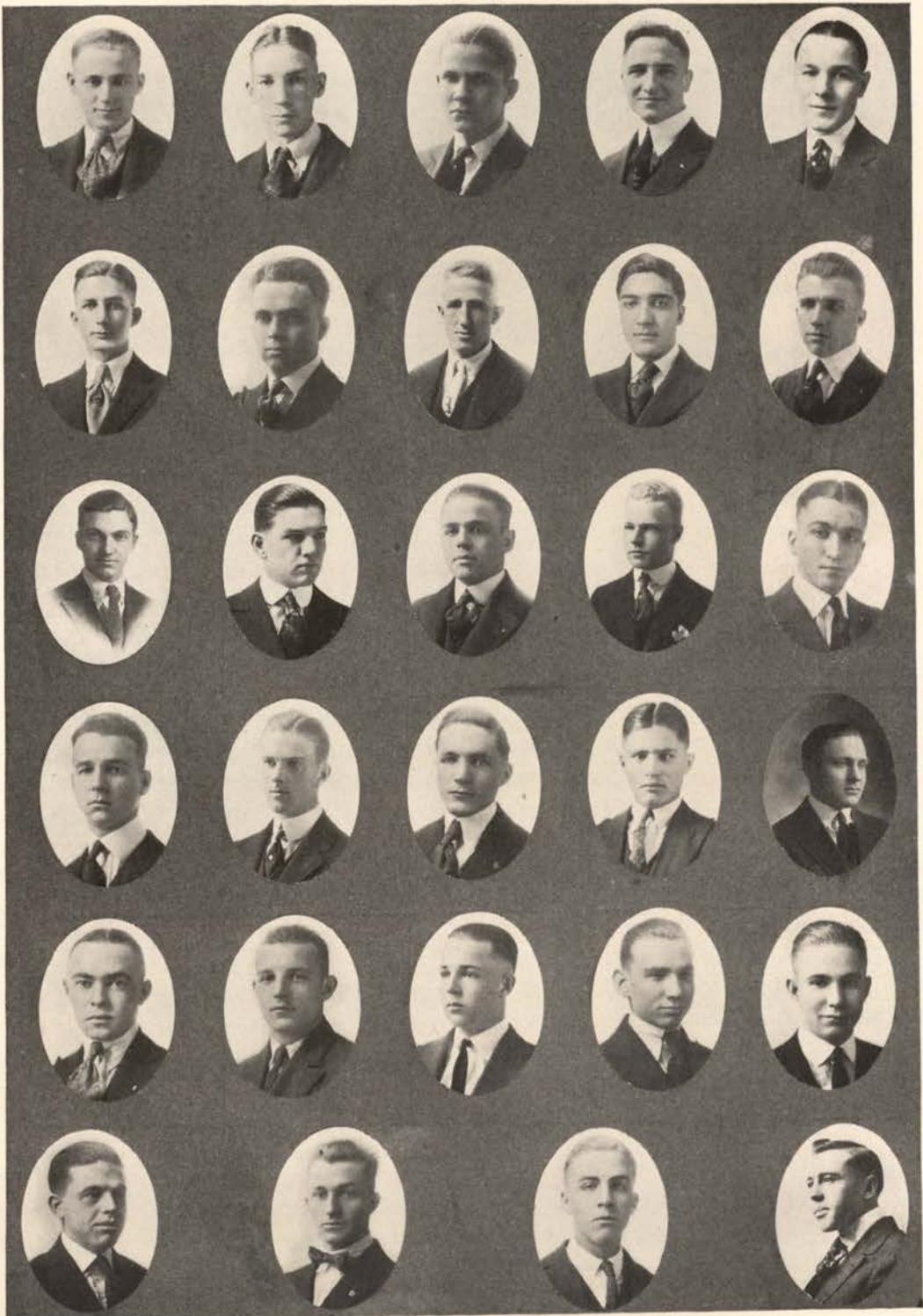
A. L. HUNT  
C. S. METCALF  
J. M. WASMUND

R. N. COURTNEY  
D. F. ROESE  
A. W. NAYLOR

P. L. BLAKE



# YROLIAMO



# ROLLAMO

## The Missouri Miner

BEGINNING with the first week of September, the Miner started off on the most successful year in the history of the paper. Ten members of last year's staff returned to take up their duties in their branches of the various departments: Miller, Norville, Wheeler, Leonard and Wilson, on the editorial staff; Booker, Netzeband, Kerr, Huffman and Burke, on the business staff.

"Snutz" Miller, as Editor in Chief, was always on hand to keep things moving, but due to pressing school work was compelled to resign shortly after Thanksgiving. H. O. Norville, who had served on the board as class reporter and Assistant Editor, was then elected as "Chief." He performed his duties like a seasoned veteran and it was thru his efforts that the Miner passed through a very successful season. H. L. Leonard has always been on hand to dash off the society and local news and has won considerable fame as a "Who's Who" writer. E. S. Wheeler is deserving of much credit for his diligence in reporting athletic activities and in his efforts to mould the athletic spirit of the school. Joe Wilson, our Cartoonist, has worked diligently and has made the weekly cartoons a special feature of this year's Miner.

K. W. Booker, W. F. Netzeband and W. K. Teller have handled the business affairs of the Miner in a very commendable manner. They have been true efficiency engineers in their work and through their efforts the financial condition of the Miner has been materially improved. With an increase of twenty per cent in subscriptions among the alumni, local and national business men have come to regard our columns as an effective advertising medium. S. M. Burke and G. E. Zeller have successfully coped with the problems of circulation in a creditable manner.

When all is considered, the Miner may be said to have enjoyed a very successful year. Our Christmas edition consisted of twenty-four pages, and, without doubt, was the best issue of the Miner ever published. Our St. Pat's issue was above the standard. The old paper of eight pages was increased, in many issues, to ten and twelve pages.

The staff has attempted to give the student body, the faculty and the alumni an unprejudiced reflection of school life and school opinion. It has been the aim of the staff to reflect in every respect the feelings of the college regarding those events which have come to our notice.





## Press Club

The Press Club was organized last year to promote interest in technical writing among the students of M. S. M. The membership included all men who have been or are at present on the Miner Board.

A great many plans were considered for exciting more interest in writing, but the one finally accepted was that of offering a prize of \$25.00 for the best technical article or editorial written by a student.

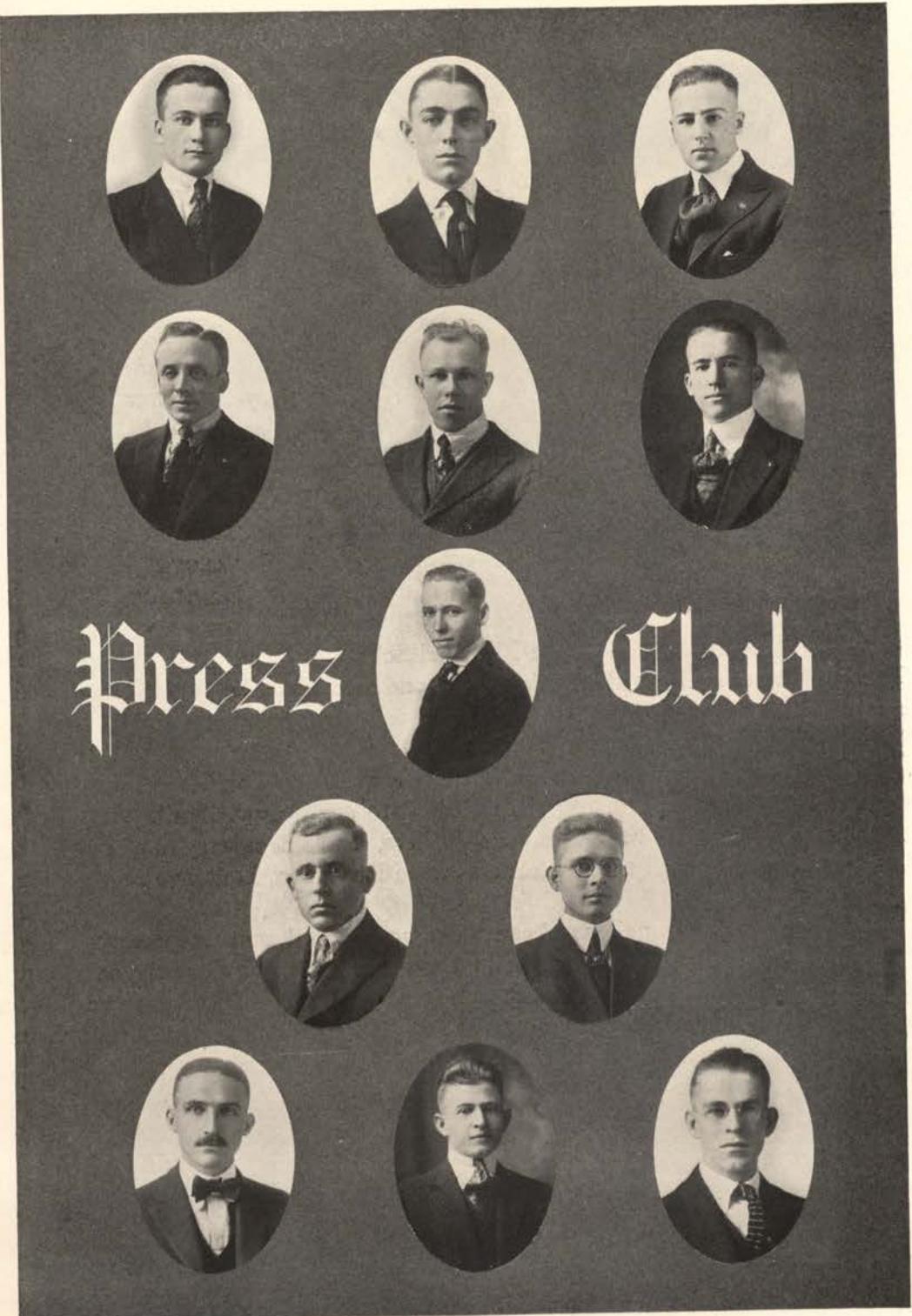
The contest started in January and ended March 1st. The winning article was printed in the St. Pat's issue of the Miner. *Other articles* of special merit are to be printed in the Miner from time to time, and no doubt will be of much interest.

The Press Club deserves much credit for its work and it is hoped that the students will respond to this offer made to them, not entirely for the *monetary* value of the prize, but for the experience that will be gained in working upon such articles.

Engineers are inclined to belittle their work in English. If they realized its great importance in actual practice they would undoubtedly take more interest in their writing.



ROLI AMO



## Press Club



# ROLLAMO

## The Student Council

### OFFICERS

GEORGE B. BLOOM . . . . .	<i>President</i>
WILLIAM BAILEY . . . . .	<i>Vice-President</i>
THOMAS G. WEIR . . . . .	<i>Secretary-Treasurer</i>

### MEMBERS

G. B. BLOOM	T. G. WEIR
W. BAILEY	H. HURST
R. GETTLER	A. DELALOYE
R. K. STROUP	L. E. DAVIDSON

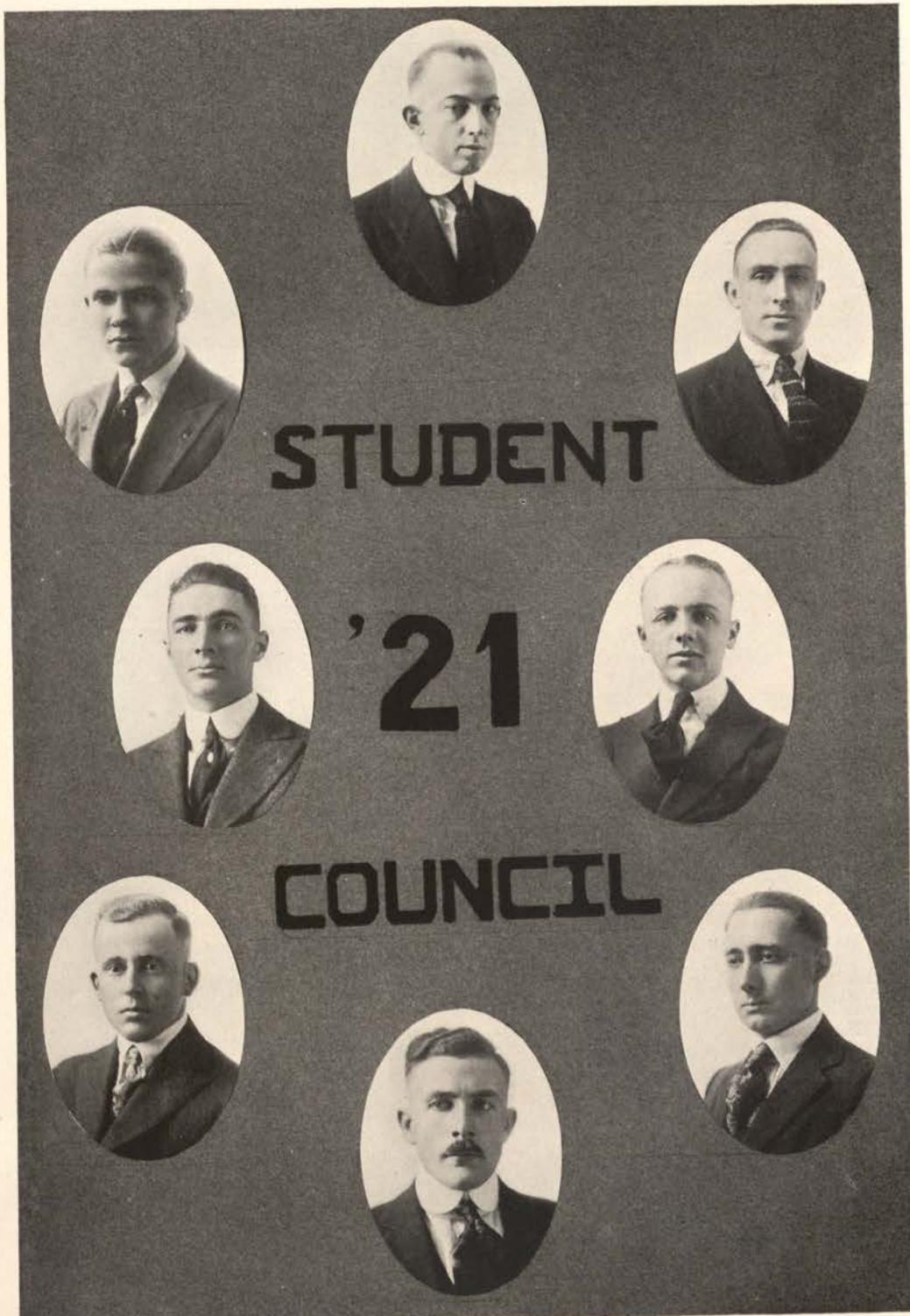
The Student Council of the Missouri School of Mines consists of five men. Three of these are from the Senior Class and two from the Junior Class, and are elected by the student body.

This year, Bloom, Bailey and Hurst from the Senior Class, and Weir and Gettler from the Junior Class were elected to serve until April, 1921, but due to the graduation of the three Senior members, it was necessary to elect new men. The men elected to fill these vacancies were Davidson, Delaloye and Stroup.

The Student Council has been more active and more representative of a "Student Council" this year than in those previous, particularly so regarding the class fight and green caps. It also handled many minor cases very creditably, and it is hoped that the organization will continue in the future to be as active as it has been in the past year.



YROLIAMO



# ROLI AMO

## The Mercier Club

Chaplain

REV. FR. JOHN P. LYNCH

### OFFICERS

D. F. WALSH	<i>President</i>
S. M. BURKE	<i>Vice-President</i>
D. S. MOSBY	<i>Secretary</i>
OTTO EHLER	<i>Treasurer</i>
F. A. KAULLEN	<i>Historian</i>

### MEMBERS

A. C. ALGERMISSEN	ED. KRUSE
P. BISCH	R. J. LAPEE
E. J. BOHN*	HIRAM LAWRENCE
J. L. BULGER	F. E. LOWD
E. DE CARDENAS	JAMES McCARTHEY
A. S. CHAPPIUS	R. J. McCUNE
F. A. CANALES	J. M. McDONELL
F. A. DECKMEYER	GEORGE NAWN
A. F. DELALOYE	JOHN P. OSTER
A. DEVEREUX	R. L. PARKER
C. J. GRIP	G. L. RICHERT
M. V. HEALEY	E. B. SANDERS
J. J. HABERTHIER	CHRIS. SOUTHERN
F. R. HALASEY	G. F. WILLIAMS
F. H. HOLLOW	R. ZEVALLOS
R. E. ILLIDGE	H. E. ZOLLER

### ASSOCIATE MEMBERS

REV. J. J. HUGHES	E. J. CAMPBELL
J. E. BULLARD	D. F. DONOHOE
W. H. FETTERS	L. W. HIGLEY
C. E. PARKER	

\*Died Nov. 7, 1920.



# ROLLAMO



## Missouri Mining and Metallurgical Association

**A**LTHOUGH the Mining and Metallurgical Association got an early start this year, there was but one lecture given during the first term. This was a talk by J. R. Guiteras on "Mining at the Chile Copper Co., Chuquicamata, Chile."

More activity was displayed during the second term by the society. In January John Bowles gave a talk on Woodriver, Idaho. In the following month J. Gross of the Bureau of Mines told us of his experiences in Alaska. The last meeting of the year was turned over to H. A. Buehler. As usual, he gave us a very interesting lecture.

The Association is affiliated with the American Institute of Mining and Metallurgical Engineers. Many of our members are Junior Associates of this national organization.

### OFFICERS

A. F. DELALOYE

*President*

A. L. ACKERS

*Secretary*



# ROLLAMO



MINING AND METALLURGICAL ASSOCIATION



# ROLI AMO

## The Metallurgical and Chemical Society

**H**E METALLURGICAL AND CHEMICAL SOCIETY, which is composed of men who intend to make some phase of chemistry or metallurgy their life work, has had a number of successful meetings this year. These have been held with the object of presenting the various phases of practical work that the different members have come in contact with in their work.

During the year the following addresses were made at the meetings:

The Relation between the Research Laboratory and the Industrial Plant . . . . .	HUSTON TAYLOR
Harding Ball Mills . . . . .	G. F. METZ
The Use of Powdered Coal in Lead Blast Furnaces . . . . .	D. E. HUFFMAN
The Littlest Things in Chemistry . . . . .	B. NUDELMAN
Ancient History . . . . .	E. BUSKETT

The business meetings were generally followed by a social hour at which time refreshments were served.

The Diphenyl Dozen, an organization of chemists, has been a very great aid in assisting the society, and on December 9th they were hosts to the society when the new physical laboratory was given a formal christening.

### OFFICERS

HUSTON TAYLOR . . . . .	<i>President</i>
PAUL H. KARGES . . . . .	<i>Vice-President</i>
OTTO EHLER . . . . .	<i>Secretary-Treasurer</i>

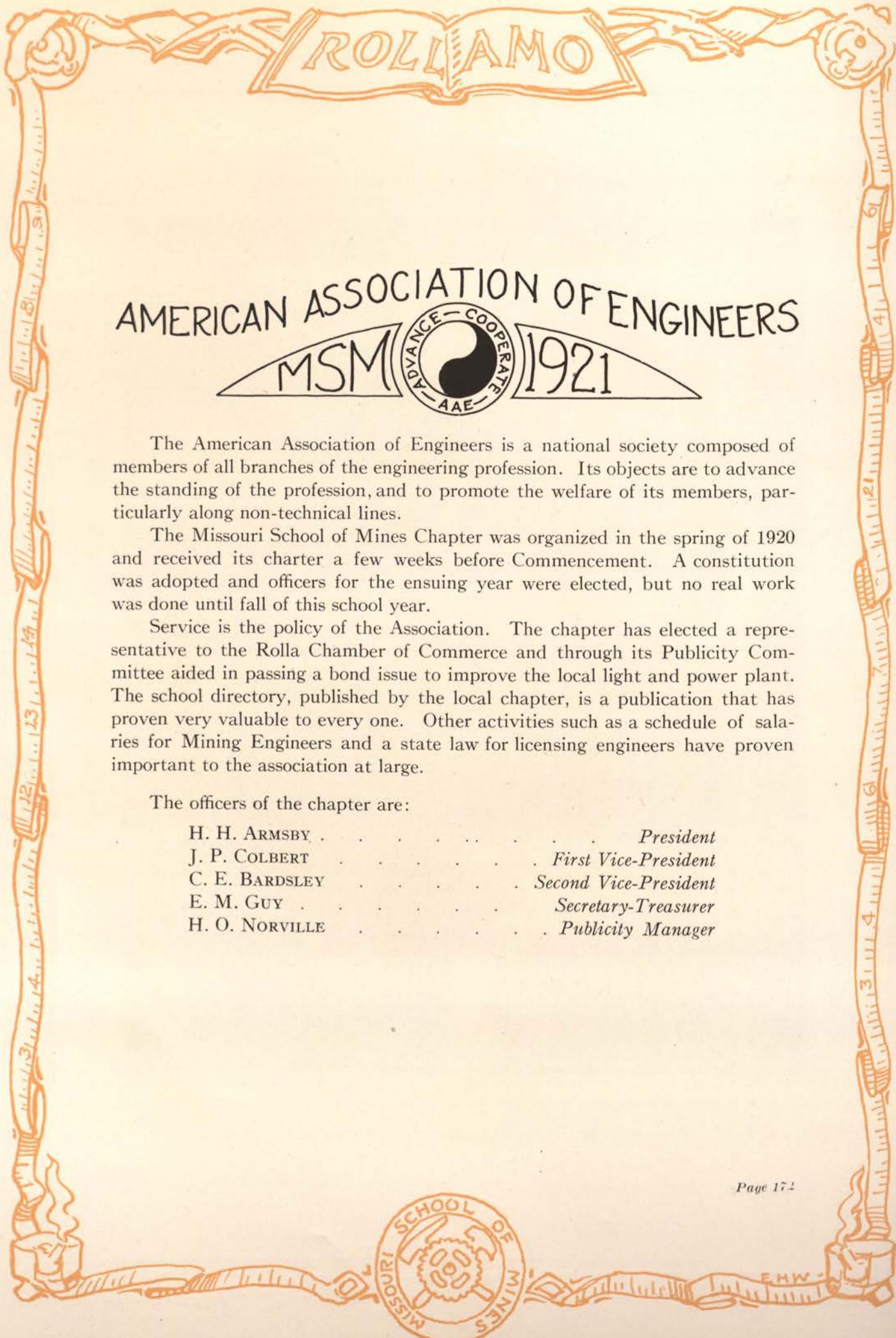


*ROLL AMO*



METALLURGICAL AND CHEMICAL SOCIETY





# ROLLAMO

## Membership List of A. A. E.

ACKERS, A. L.	DIERKING, G. T.	LAPEE, J. R.	SALMON, J. C., JR.
ALTON, W. J.	DIERS, G. P.	LAY, W. C.	SANDERS, A. E.
ANDERSON, A. S.	DIERS, H. E.	LENOX, J.	SCHOTT, T. C.
ANDREWS, J. L.	DOOLEY, G. A.	LEONARD, H. L.	SHIH, H. P.
ARMSBY, H. H.	DUNLOP, W. H.	LINZER, L.	SIEGLE, Wm.
BARDSLEY, C. E.	EBLE, O.	LOESCHE, H. C.	SITZLER, C. W. B.
BEDELL, M. N.	EVANS, O. R.	LUMPKIN, L. E.	SMITH, C.
BISCH, F. G.	FISHBURN, C. D.	LUSTER, T. C.	SMITH, R. D.
BLAKE, P. L.	FORAN, L. A.	MCCARTHY, J.	SOTIER, A. L.
BLICKENSDERFER, J.	FORMAN, P. G.	MCCLELLAN, M. H.	SOUTHERN, C.
*BOHN, E. J.	FRAME, F. H.	McCLURKEN, R. C.	SOUTHGATE, J. M.
BOOKER, K. W.	FRAME, W. S.	MAREK, H. C.	STORRS, S. E.
BOWERS, C. G.	FREY, M. L.	MEEKES, F. Z.	STOVER, C. E.
BOWLES, J.	GOLLUB, M.	METZGAR, W. A.	STROUP, R. J.
BOWMAN, K. M.	GORDON, J. P., JR.	MIKELL, W.	STROUP, R. K.
BROWN, P. M.	GRAHAM, W. S.	MILLAR, C. J.	STUART, S. H.
BRYAN, J. P.	GRAY, F. F.	MILLER, J. G., JR.	SCHUMACHER, L. B.
BUCK, A. E.	GUY, E. M.	MILLIKAN, C. E.	SCOTT, G. R.
BURFORD, C. P.	HABERTHIER, J. J.	MONAHAN, J.	TEDFORD, E. S.
BURKE, S. M.	HAGOOD, L.	MOODIE, D. L.	TEVIS, C. C.
BUSER, H. C.	HALASEY, F. R.	MOSBY, D. S.	THOMPSON, P. F.
CALVERT, C. P.	HARRIS, E. G.	MOSENA, C. C.	THOMPSON, T.
CARDENAS, E. DE	HAYES, S. M.	NAPPER, H. I.	TIRRE, F. M.
CASE, W. E.	HEIDTMAN, H. H.	NAWN, G. F.	TORRENCE, E.
CASEY, W.	HENDRY, D. J.	NAYLOR, A. W.	TURNER, H. L.
CASTELLI, J.	HINSCH, V. B.	NETZEBAND, W. F.	WALLACE, J. F.
CATHCART, E. H.	HODGES, I. F.	NEUWIRTH, A. G.	WALLACE, M. W.
CHANG, K. Y.	HOFFMAN, R. A.	NORVILLE, H. O.	WALLING, W. H.
CHAPIN, E. F.	HOLLAR, P. A.	NUDELMAN, B.	WATKINS, M. W.
CHRISTNER, G. J.	HOLLINGSHEAD, H. A.	NUNNALLY, H. N.	WATTS, A. B.
CHRISTOPHER, J. H.	HOLLOW, E. J.	PACKMAN, N.	WEBSTER, V. H.
COAKLEY, J. L.	HOWARD, M. R.	PARKHURST, A. B.	WELLS, H.
COFFEY, G. V.	HUCKINS, J. G.	PATTERSON, H. F.	WERNER, W. A.
COLBERT, J. P.	HUFFMAN, D. E., JR.	PENCE, H. S.	WESTGARD, J. A.
COPE, O. C.	HUNT, J. O.	PESOUT, E.	WHITNEY, H. M.
CORNWELL, B. S.	JEWELL, A. B.	PORTER, E. K.	WHITWORTH, V. L.
CROUSE, G. T.	KALEY, C. B.	POWELL, W. A.	WILKERSON, A. B.
CROW, W.	KARGES, P. H.	REEVES, J. M.	WILLIAMS, A. C.
DAMOTTE, E. V.	KASEL, R. G.	REMBERT, E. W.	ZELLER, G. A.
DAVIDSON, L. E.	KAULLEN, F. A.	REMmers, W. E.	ZIMMERMAN, D.
DAVIS, C. B.	KEMPER, C.	RHOADS, R. L.	ZOLLER, H. E.
DELALOYE, A. F.	KENNING, R. H.	RICHARDS, R. E.	ZOOK, S. I.
DENISON, A. F.	KENYON, R. J.	RICHERT, G. L.	
DENISON, W. R.	KERR, H. C.	RUNGE, A. E.	
DEVEREUX, P. A.	KERCHNER, K. K.		

\*Deceased.



# ROLI AMO

## "Why"—Continued

### FOURTH EPISODE

"The next man that I met was a rotund looking youth named Laun. This fellow wore a different pin from the rest of those I had met and when I asked him what Club it stood for he was righteously indignant. 'Why, man, that pin stands for the best fraternity in the world (I had heard the same statement somewhere before), it is General Pershing's own.' Now this sounded like real stuff to me and I wondered how it happened as I had not known that the General had attended the School of Mines. This was of great interest to me and I began to think that maybe I had very nearly missed something.

"Their club house was situated in still a different part of town and the house itself was very unpretentious. This was in favor of the fraternity, I thought; because the others were so extravagant in the matter of houses that I knew it must be a burden on the members to keep them up, but this opinion was short-lived for I learned very soon that they had enormous plans on foot to build a house that would put all the rest to shame.

"As soon as they could work it (they call it separating the sheep from the goats—but really the sheep is the goat in the long run if they get him). I was called 'upstairs' for a fourth time and was beginning to think that all of the members of the various fraternities were 'second story workers.' This crowd was not so good on the gentle art of bull throwing, but their arguments were forceful enough anyway. These are some of the statements made by them:

" 'We are the only fraternity that can make good men out of the odd ones.'

" 'We hold the record in establishing chapters of our organization at the various institutions in the country.'

" 'We are the only crowd that can have its share of Tau Bets and also its share of Theta Taus, Sig Gams and Quo Vads. How do we do it? We don't know—we just DO.'

" 'We've got Slim Updike, Squeek Needham, Count DeCousser, and had some more good men at one time but we lost them last year.'

" 'We are the only fraternity that can keep our internal troubles to itself.'

" 'We are the only fraternity that kept open house during the summer (open house was right), but we will never allow it again because one of the P. K. A.'s darn near ruined our reputation—we truly have a reputation though you'd never guess it.'

" 'But take it all around, I don't know where you'd beat us, not in this school, at least. We get by—but don't ask us how, because we don't know ourselves. We just do, and HOW WE DO!'

(Concluded on page 180.)



ROLL AMERICA

# R.O.T.C.



MAKE IT SNAPPY!

J.W.



# ROLL AMERICA ON



THE BATTALION

Page 176



E.H.W.

# ROLLAMO



BATTALION STAFF

*Captain and Adjutant*  
THOMY, L.

*Major*  
MILLER, E. L., JR.

*Captain and Supply Officer*  
DE COUSSE, K. H.



COLOR GUARD

*Color Sergeant*  
COFFEY, G. V.

*Corporals*  
BUCK, A. E.  
ELLIS, C. F.



# ROLI AMO



**COMPANY "A."**

*Captain*

BOLT, W. W.

*First Sergeant*

BURKE, S. M.

*Buglers*

PESOUT, E.  
WELLS, H.

**FIRST PLATOON**

*Leader*

First Lieutenant  
KNIGHT, R. H.

*Platoon Sergeant*

LOESCHE, H. C.

*Sergeants*

ORR, R. F.  
LINDGREN, R. A.

*Corporals*

HEGWAR, P. J.  
GREGG, J. L.  
WATTS, A. B.

*Privates*

CAMPBELL, J. P.  
CHRISTOPHER, J. H.  
DAVIDSON, R. V. A.  
DAVIS, C. B.  
GABLER, G. C.  
GRAHAM, W. S.  
HOLLOW, F. H.  
JETT, J. E.  
KEMPER, C. L.  
MOORE, H. H.  
NAWN, G. F.

PARKHURST, A. B.

PORTER, E. K.  
REMMERS, W. E.  
ROUFF, C. M.  
RUNGE, A. E.  
WALLACE, J. F.

WEIMER, W. H.  
WILMESHER, C. F.

**SECOND PLATOON**

*Leader*

Second Lieutenant  
ZEIGLER, W. C.

*Platoon Sergeant*

FREY, M. L.

*Sergeants*

MEEKS, F. Z.  
BLICKENSDERFER, J.

*Corporals*

GIBSON, D. G., JR.  
FRAME, W. S.  
MIKELL, W.

*Privates*

ANDREWS, J. L.  
BALLINGER, R. A.  
CASEY, W. E.  
GREENSWIGHT, A. S.  
LAY, W. C.  
MARTYN, P. F.  
MAREK, H. C.  
MCLELLAN, M. H.  
METCALF, C. S.  
MOODIE, D. L.  
MURPHY, R. E.  
NAYLOR, A. W., JR.  
SCHMIDT, K. A.  
SITZLER, C. W. B.  
STRONG, F. N.  
SUBLETT, I.  
THOMPSON, P. F.  
WANENMACHER, J. M.  
ZIMMERMANN, D.



# ROLLAMO



**COMPANY "B."**

*Captain*

STUART, S. H.

*First Sergeant*

MCBRIDE, H. E.

*Buglers*

SCHWARZ, H. G.  
KEYES, I. W.

**FIRST PLATOON**

*Leader*

First Lieutenant  
ZOLLER, H. E.

*Platoon Sergeant*

LEONARD, H. L.

*Sergeants*

TORRENCE, E. J.  
KIMMEL, V. E.

*Corporals*

BURCH, I. C.  
FISHBURN, C. D.  
TERER, W. E.

*Privates*

BAUMGARTNER, B. K.  
CARTER, R. A.  
COURTNEY, R. M.  
FLECK, H.  
HAYWOOD, E. G.  
HUNT, J. O.  
KALEY, C. B.  
KESSLER, H. H.  
MONAHAN, F. M.  
MURPHY, J. K.  
ROESE, D. F.  
SCHOTT, T. C.  
SCHRAMM, H. O.  
STORRS, S. E.  
TEVIS, C. C.  
UNDERWOOD, F. J.  
WEIGEL, M. P.

WILKERSON, A. B., JR.  
WILSON, E. M.  
ZELLER, G. A.

**SECOND PLATOON**

*Leader*

Second Lieutenant  
REEVES, J. M.

*Platoon Sergeant*

MENNIE, B. R.

*Sergeants*

HOOVER, B. F.  
NUNNALLY, H. N.

*Corporals*

GRADY, R. F., JR.  
JEWELL, A. B.  
DROUOT, H. R.

*Privates*

BACKER, W. H.  
BARNETT, W. J.  
BOWERS, C. G.  
CASTELLI, J.  
HUNT, A. L.  
HOOPER, E. G.  
KNIGHT, J. R.  
LINZER, L. M.  
LOEVY, D. B.  
LUSTER, T. C.  
MAGALIS, C. W.  
MARTIN, G. V.  
MCQUELLAND, M. M.  
SCHAEFER, C. F., JR.  
SOTIER, A. L.  
WALKER, A. W.  
WALKER, J. R.  
WEBSTER, V. H.  
WESTGARD, J. A.  
WRIGHT, W. S.



# ROLLAMO

## "Why"—Continued

### FIFTH EPISODE

"Now it happened that when I matriculated in college I started rooming at the home of the lady who cooked for the other fraternity in school—that good old Southern fraternity—Kappa Alpha. The first day I was there her son asked me if I wanted to join a frat, and I told him I was not particular; but he told me that the Kappa Alphas would be glad to have me for they needed freshmen to keep up the fires for them. Of course, I did not like to be recommended by the son of the landlady, but I soon found out that fraternities would take information from almost anyone and likely were glad to get the recommendation. Time went on, but the invitation from this crowd did not come 'til finally one of their members came to me and told me how good they were. He said:

"We are the only fraternity that occupies the house in which we live.

"We do not enter politics (they all say that).

"We have some of the best men in school (they meant they did have in 1916).

"We've got the best house on the campus (they mean Prof. Harris has).

"We've got a member on the Rollamo Board (everybody has).

"We have a faculty representative (he won't admit it though).

"We have the most of Rolla's 400 "sisters" (query—what is a fraternity sister? Did anybody ever hear of one?)

"We have a lot of good friends in town, too, among the most influential men of the vicinity; we had Colonel Woods until the sewer pipe broke.

"Taking it all in all, we think we are pretty good; in fact, we know we are pretty good and sometimes we can make the statement without anyone disputing the fact, but that is because the most of them are jealous of us (of what?)

"We limit ourselves to the good old South (old is right), and the ideals of the grand old brotherhood do not allow us to change that policy, which is really a benefit (we don't know how)."

"They really did not have such a bad bunch of fellows, but then you might say the same thing for all the rest; so I 'laid off,' and this with all the rest is—WHY."

THE END.



ROLI AMO

# STUNTS



JOE WILSON



## St. Pat's Day

**A**ULD IRELAND is not the only locality that has called in the Honored and Venerable Saint Patrick to rid itself of the reptiles that bothered the inhabitants. In the early days of the Missouri School of Mines several Miners reported the fact that they had seen these serpents and that they thought that it was advisable to get rid of them before they became too numerous. This idea met with spontaneous enthusiasm. Then the idea of awarding the task to one of the engineering fraternity was thought of, and the recipient of such a job could be but one man and that was St. Pat himself.

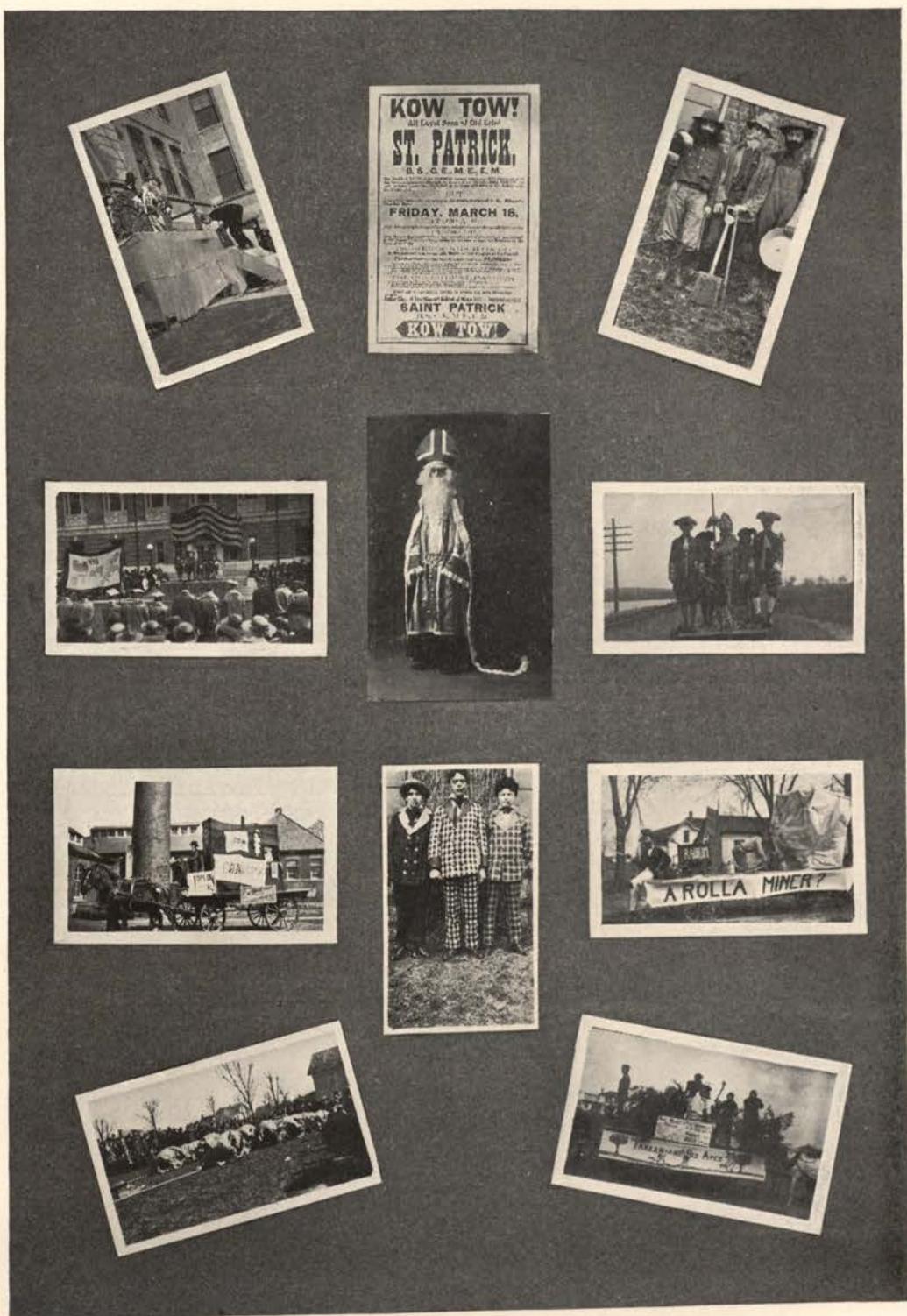
Thus it came about that John Bowles had the honor of interviewing this worthy saint, thrust upon him. John brought back a promise from St. Pat that he would visit the Missouri School of Mines on his next birthday if possible.

At the beginning of March he sent word that it would be impossible for him to come here in person. And with this announcement he delegated his powers to George Menefee. This was in the year 1908. Early in the morning of the 17th the student body turned out in full force to welcome St. Pat as he came into Rolla. He came in on his handcar. The crowd of students escorted him to the campus, where he was given the opportunity of viewing the portion of Rolla where he was to exercise the powers that St. Pat had given him. He ran a careful traverse, checking to the ten-thousandths, of the area with a transit that was both original and unique. This instrument consisted of an empty beer bottle set in fork of a branch of tree. This act ended the day's affair, and St. Pat's representative marched back to the music of the band which was present on the campus. Such was the modest beginning of the modern celebration of St. Pat's.

Since then the movement has come to be recognized as an authorized holiday and has taken the place of all other holidays in magnitude and importance. Various stunts have been added from time to time. These include the parade, the minstrel show, the Masqued Ball and the knighting ceremonies. A further feature is the queen that is to accompany St. Pat at the ball. Miss Helen James Baysinger was the first queen in the year 1915.



# ROLLO AMO



OTHER VISITS OF ST. PAT



# ROLLAMO

## The Pollamo Play

"OFFICER 666," a comedy in three acts, presented under the auspices of the Star and Garter for the benefit of the Rollamo Board, proved to be a success rivaled only by "Billie" and "Stop Thief" of last year. The play, difficult to present under normal conditions, was handicapped by the fact that the time was limited. Only thru the efforts of a well picked cast and a capable director was the play successfully staged.

The play deals with a young millionaire who has traveled abroad in search of adventure. Failing in his search, he returns to find adventure in his own home in the form of an attempted robbery, a girl and Officer 666. The play, full of action and humor, was a direct hit and is another addition to the long list of plays successfully presented at Parker Hall.

The Rollamo Board is indebted to the cast, W. L. Stewart, H. H. Armsby, the Freshman Orchestra, and all who contributed in any way to the success of "Officer 666."

### CAST

Bateato	VIRGIL WHITWORTH
Michael Phelan, Officer 666	PEMBERTON GORDON
Whitney Barnes	WILLIAM HOKE
Travers Gladwin	WILLIAM BAXTER
Helen Burton	CHARLOTTE FARRIS
Sadie Small, her cousin	BILLIE FARRIS
Mrs. Burton	MARGUERITE NORVILLE
Alfred Wilson	WILLIAM STEWART
Watkins	CHARLES KISKADDON
Police Captain Stone	MARION WATKINS
Kearney, a plainclothes man	CHARLES COLLET
Ryan, a policeman	SAM STUART

### SCENES

- Act. 1. Drawing Room of the Gladwin Home—afternoon.
- Act. 2. The same room—evening.
- Act. 3. Same as Act 1.

### STAFF

Director	WILLIAM STEWART
State Manager	H. H. ARMSBY
Properties	J. F. HOSTERMAN, W. E. CASE
Business Manager	HUSTON TAYLOR

Music furnished by the Freshman Orchestra.

## Football Banquet

**O**N WEDNESDAY, December the 8th, 1920, a banquet was tendered the thirty men that composed the 1920 football squad. The success of the team prompted the student body to give this banquet in honor of the men. This is the first of such banquets, for after the close of each season a similar affair will be given.

The thirty men were the honor guests. Besides these, there were nearly three hundred others that attended this affair. Among those present to do honor to the squad were Rolla business men, faculty members and students.

Cheers given by the upper classmen and Freshmen opened the eventful evening. A very appetizing supper was served by the ladies of the Presbyterian Church. After the supper was over the speeches were begun.

"Thorny" acted as toastmaster and introduced the various speakers. Among these was Dr. Fulton, who awarded the letters to the men of the team. Eddie Bohn, who was killed in the Warrensburg game, was awarded the honorary letter.

Among others who spoke that evening were: Coach Roger McCune; Coach Spike Dennie, who predicted that the football team of the Miners would be champions of 1921; Buddy Cairns, captain of the team; Dr. A. L. McRae, former director of the School of Mines; Dr. Baysinger; "Dip" Wendell, captain of the 1921 team; W. J. Ellis, Major C. E. Cooke, Dr. Barley and George Bloom.

One of the interesting features of the evening was the presentation of a bouquet of flowers to each member of the squad by the little son of Dr. Turner.

Before the evening was over it was voted that the first banquet was a great success, and that the meeting be adjourned to meet one year from December 8th for the second Annual Football Banquet.



## Green Cap Day

**A**S THE train came to a standstill at Rolla's station the first Freshman of the Class of '24 alighted with spirits high and with a multitude of visions of the Missouri School of Mines. He had heard of its worldwide fame and reputation and now he had at last arrived here, after a blissful summer at home. Instead of the peace and prominence which he had anticipated he found that he had been set down in a locality infested with barbarous, blood-thirsty Sophomores who were on the warpath for Freshmen scalps. The very atmosphere seemed to predict evil to Freshmen, and as more and more of his classmen arrived the patrols were increased. He was afraid of the waters of the Frisco Pond.

The Sophomores' ultimatum, which had been posted in conspicuous places about town, was sufficient warning for him and he spent the evenings of the first week at home. From various members of the school he found out that the fair grounds afforded the only place of safety on the eve of the battle; so he borrowed a blanket and with a few sandwiches he set out on the designated evening for the consultation of war. A large bonfire had been built, around which most of his class had already collected. Our hero was soon lost in the mob.

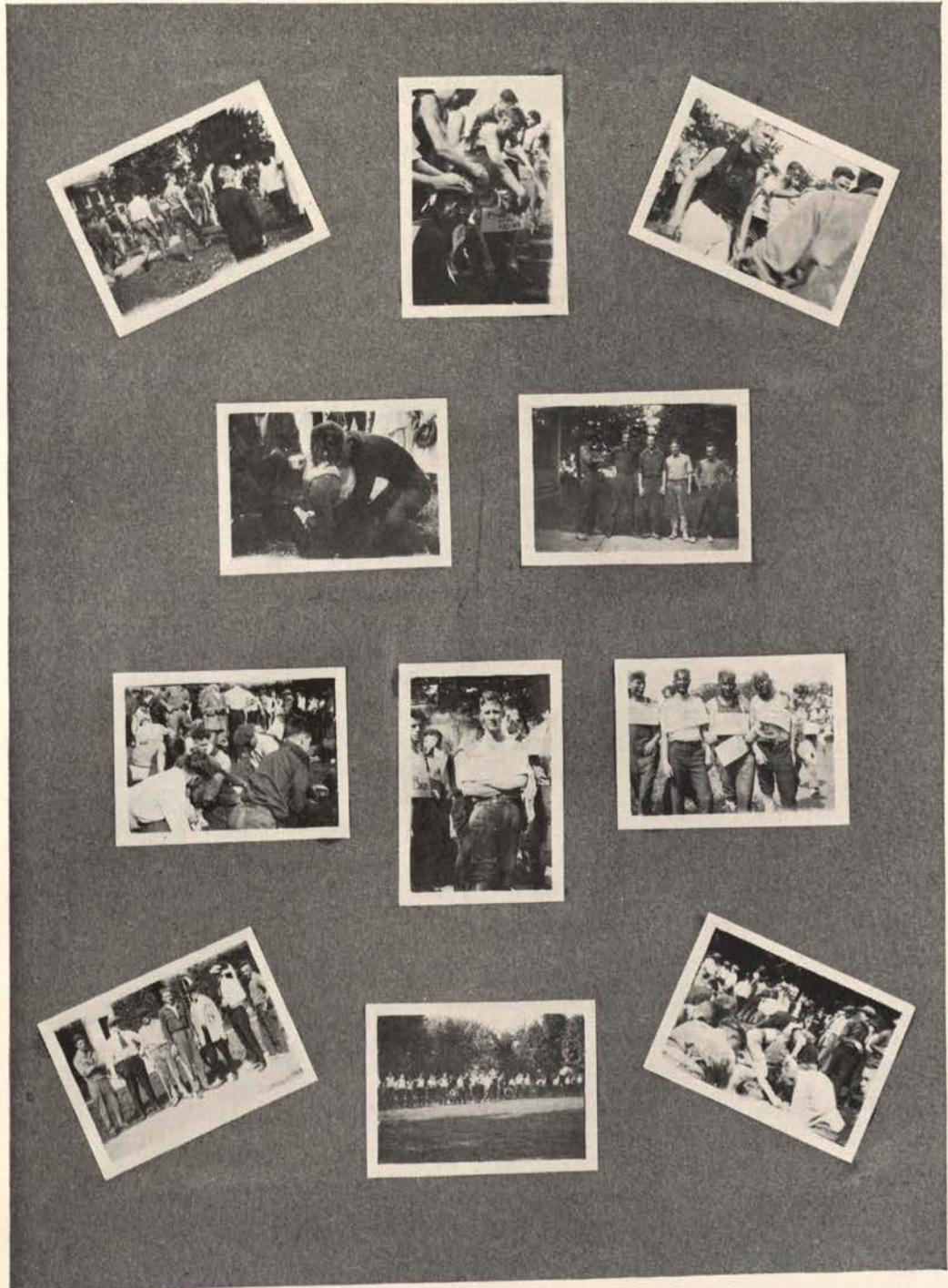
After a pleasant evening spent counting the stars the Freshmen arose and prepared to march back into town. This march was duly accomplished to the tune of the "Mining Engineer." The opposing forces lined up on the two ends of the field. The sight of a hundred Sophomores before him frightened our hero. At the stipulated time the gun went off and the fray began. The field was a surging, seething mass of entangled humanity. At intervals, a Freshman, bound hand and foot, would be extricated from the mass and carried to the side to await the will of the victor. In twenty-three minutes the Freshmen were vanquished and the Sophomores were duly proclaimed victors.

After a brief rest to repair the sick and the wounded the defeated Freshmen were liberally decorated with green paint and choice signs such as "Siberian Goof Hound," "Pride of the 400" and "Swamp Angel." They were then marched to Jackling Field for the circus, which consisted of lampblack fights, egg shampoos, molasses fights, songs, dances and proposals to some of the society belles of Rolla. In most cases the Sophomores deemed an application of the pine paddle a part of the necessary enthusiasm and pep of the meeting.

After the curtain had fallen on the last act of the circus the Freshmen were provided with the customary green caps which betokened the ignorance of the wearer. They were now tamed and broken.



# ROLI AMO



OUR "PRETTY" FROSH



## Senior Trip

Our yearly trips constitute a part of the pleasure of attending a Mine Engineering School. Last year in the spring the Juniors and Seniors took an extended inspection trip thru the South Missouri Mining District. The trip started April 9th from St. Louis and ended at the same place on April 17th. Dr. Cox and Professor Charles C. Clayton supervised the students while on this jaunt.

The geology of the Iron Mountain District, together with that of Fredericktown, was studied for three days. Here actual mining and field conditions were studied under the direction of Dr. Cox and with the assistance of "Boots." In fact, Prof. Clayton was deeply interested in this inspection.

Then Professors Forbes and Clayton got a chance at the boys. This was at the Missouri Cobalt Company. Here the milling and smelting plants were both visited and studied. Many things were learned here that could not be obtained from books. The study of all milling and smelting methods were further gone into at the plants of the Federal Lead Co. at Flat River, Missouri, and again at Bonne Terre. All these plants were of interest to the men, due to the fact that they are in Missouri and are among the largest lead milling and smelting plants in the country. Underground methods were studied as well as the milling and smelting plants above ground. Then the Lead Smelter at Herculaneum was visited and "Boots" told us again the advantages of the Dwight-Lloyd and Pots furnace in Lead Roasting.

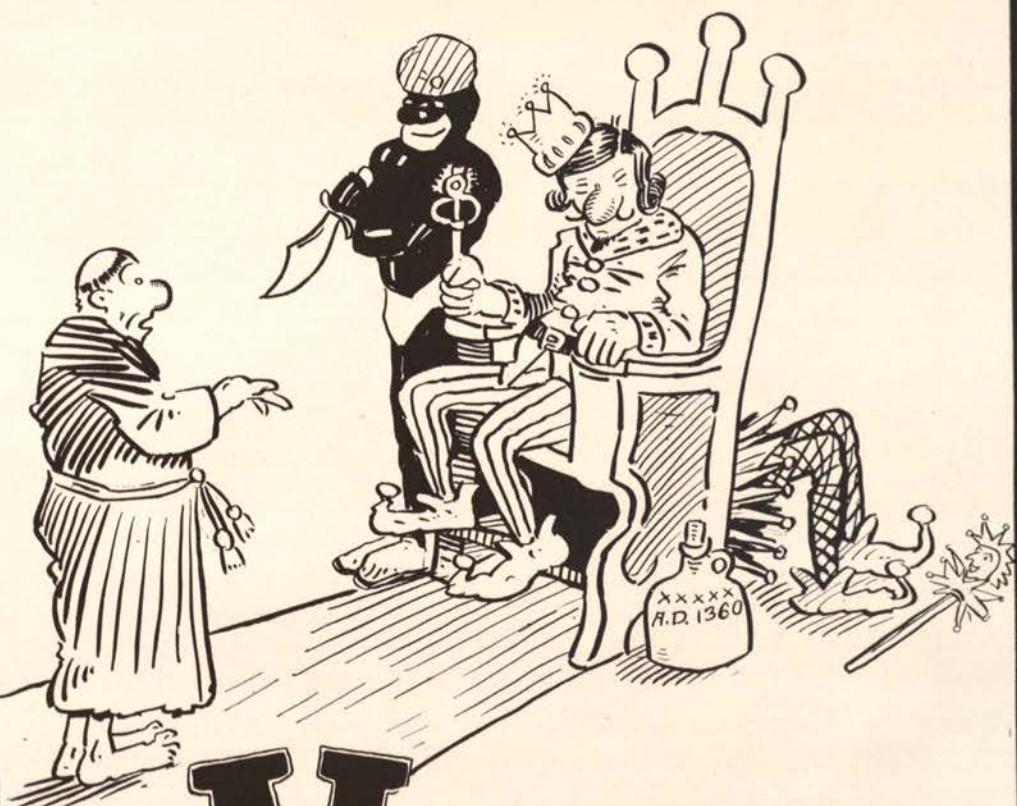
Zinc is also an important product of the district, so we visited the Collinsville Zinc Corporation and studied their methods.

And after imbibing all this knowledge the party returned to St. Louis, dining sumptuously at the Planter's Hotel. After this there was nothing to do, so naturally we returned to Rolla to graduate, if possible. "Liz" Millar arrived via the blinds and declared he was feeling O. K., so we all decided to call the trip a real success and wish to thank the Professors for making it such.



ROLI AMO

# WIT &



JOE WILSON

# HUMOR



# ROLLAMO

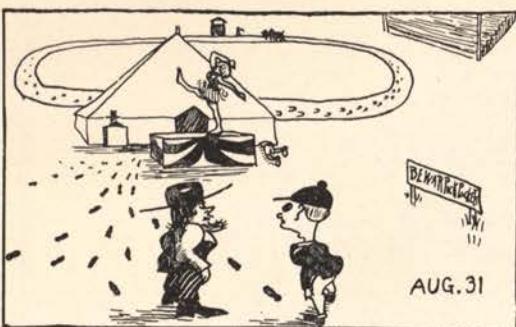
## Calendar

### AUGUST

29. Rolla's Chautauqua entertains the Miners.

30. George Easley, an old Miner, addresses the Students.

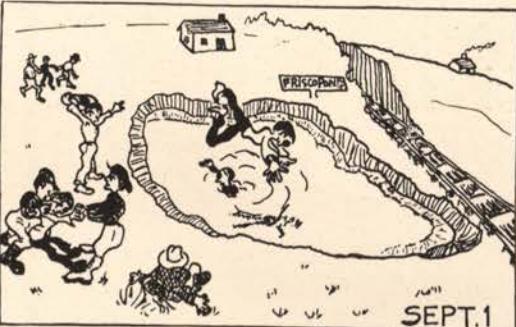
31. The Phelps County Fair starts and the Freshmen get a first glimpse of the bewhiskered Ozarkians.



AUG. 31

### SEPTEMBER

1. Miners start going to classes now and then. Aquatic Classes held at Frisco for benefit of Freshmen.



SEPT. 1

2. Eighteen Freshmen tied to iron fence around campus and later disciplined by Sophs.

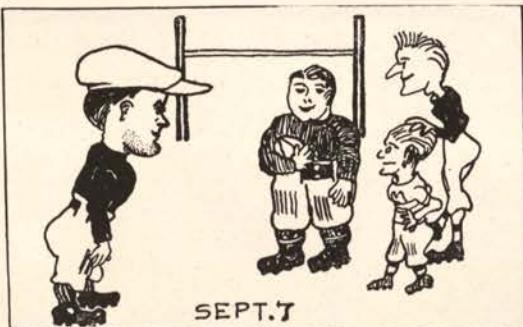
3. Dr. Fulton makes his Inaugural Address. Most tremendous success.

4. Student Council takes unprecedented step and bring about hostile and favorable criticism.

5. Frosh make strategic retreat to Fair Grounds.

6. Sophs win in class fight. 22 minutes time.

7. Football candidates report to Coach McCune. Both parties well pleased.



SEPT. 7

8. Election to fill vacancies on Rollamo Board.

9. Prof. Forbes blows student up with a squib thought to be dead.



SEPT. 9

10. Politics very much in evidence.

12. Students go to church. Some accomplish purpose and get a free dinner.

16. Prof. Dean feels fine and tells some new jokes.



SEPT. 16

19. Everybody in dark on account Rolla being broke.

20. Students labor under the handicaps of no lights and think it advantageous in prospecting.



# ROLLA MO

21. Prof. Forbes lulls class to sleep with lecture in his Mining Class.

23. H. P. Lawrence-Thelma Ballard.

24. Miners do not take kindly to special train idea for Washington game.

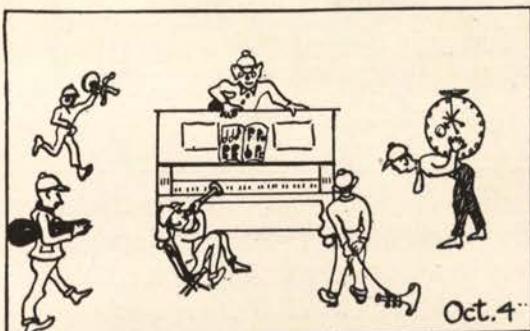
25. Rolla's 13, better known as the "Four Hundred," work overtime on this bright moonlight night.



## OCTOBER

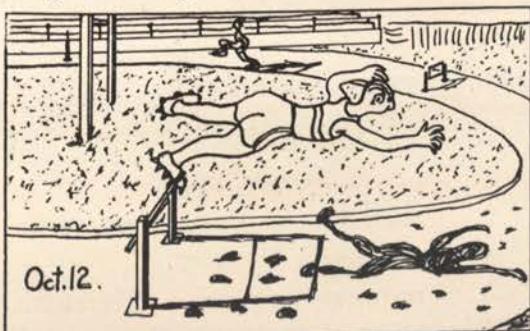
1. Real Pep shown at mass meeting.

4. Freshmen organize an orchestra.



5. Frosh raise hell in general.

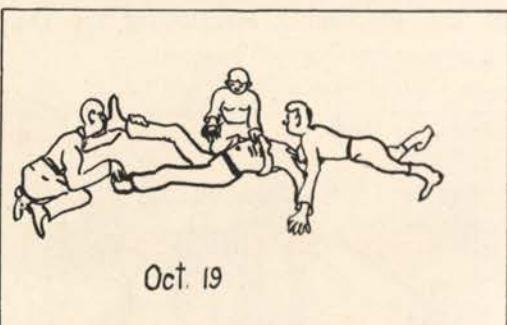
12. Basketball and Fall track men begin their grind.



15. Lecture on Concrete by Col. Boyden. Some Miners feel insulted.

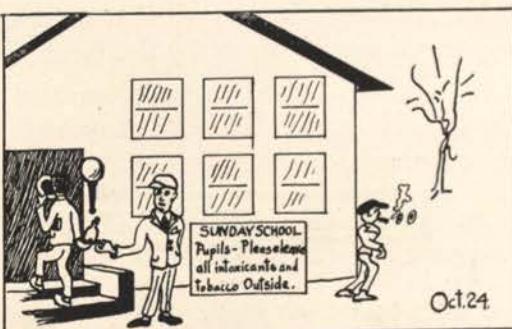
17. Sunday. Usual excitement.

19. Johnny Bulger gets another wrinkling.



23. We lose football game to St. Louis U., 27-0.

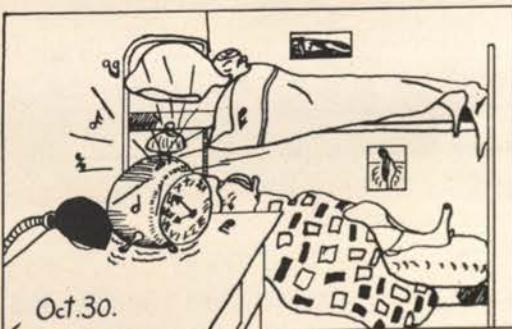
24. Miners organize a Bible Class at the Methodist Church.



27. Lyceum Course begins and is well attended.

29. Big Hallowe'en dance.

30. Many find that school starts an hour too soon—rather a day too soon. Miners meet the Razorbacks in the annual contest.



# ROLLAMO

## NOVEMBER

1. October grades turned in. The rumor is in the air that Buddy Cairns is married.

2. Scholars celebrate the outcome of the elections. Recruiting for the "Esquimaux Navy" begins.



3. Fred Schaefer stages an unsuccessful snipe hunt in Sinkum Hollow.

4. October Flunks invited to a pink tea given in their honor by the faculty.

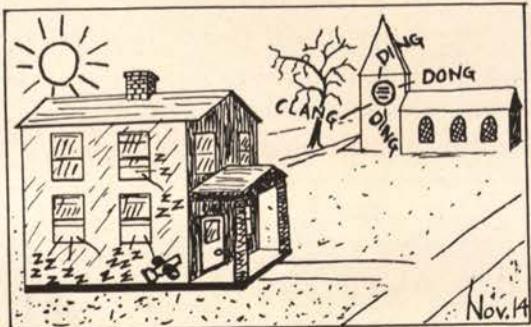
6. Eddie Bohn seriously injured in football game. Doc Pshaw assists in customary manner.

### 8. EDWIN JOSEPH BOHN

11. Armistice Day. Memorial services at Parker Hall.

13. Miners lose game to Drury by score of 13-7.

14. Sunday. You know the rest.



17. News of Buddy Cairns, life sentence confirmed.

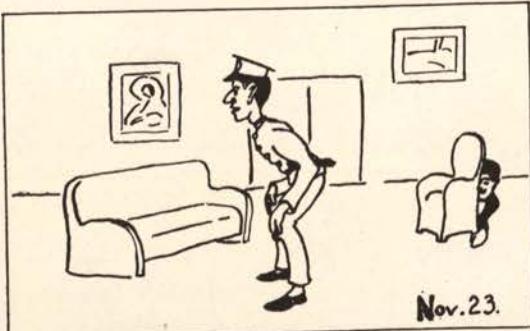
18. Theta Tau Banquet. The chosen few are put thru the fire and tested for many things.

19. No lights. Students peruse text by candlelight.



20. Quo Vadis convention and attendant evils. Frosh draw blood from Sophs by the score of 19-6. Second Miner dance.

23. Rollamo play, "Officer 666." Football team leaves for Tulsa to play Henry Kendall.



25. Turkey Day. Miners celebrate by losing game to Henry Kendall by the small score of 45 to 0. Alumni Banquet at Tulsa. Lots of pep.

28. Undefeated Junior team challenges the Frosh to a football game.

29. Basketball practice begins in earnest. Good squad out for honors.

30. Something new under the Rolla Sun. New arrival in town.

## DECEMBER

1. A. A. E. Smoker in gym.

2. Coach McCune appointed to be Assistant Athletic Director.

3. Freshman Smoker. Herewith picture taken of student body.



# ROLL AMO



4. Tau Beta Pi initiation and banquet for the consecrated ones.

15. Everyone looking forward to the Xmas holidays.

19. A Miner thought to have been seen at church.

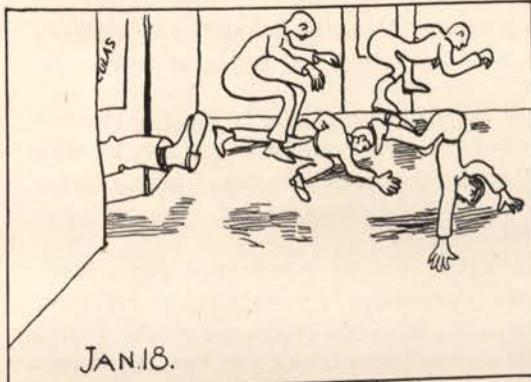
20. Lambda Chi's win basketball championship.

## JANUARY

4. Ed Hollow blows in with the same old line.

5. Dr. Boyce also arrives to take chair of Economics.

18. Dean kicks out four students for working Calculus that is beyond his mental grasp.



19. A. A. E. meeting.

20. Frosh seen sporting latest in undress uniform.

21. Everything calm. Something must be going to happen.

22. It did—John Miller shaved.

23. Basketball team leaves for tour of state.

24. Miners lose to Central by score of 24-12.

25. Missouri Mining and Metallurgical Society meets. New Physical Director arrives. Name, Bill Kamp. Old letter man.

26. Miners lose to Westminster.

27. Tau Beta Pi pledges some men.

28. Miners stage 6th anniversary dance. The shuffle—GOSH!



29. Satyrs throw a dam-p party. Revenue officers busy.



30. Satyrs require help to get home.



## "The Frat Pin"

**A**LMOST any lovely lady is satisfied with a string of pearls, a platinum brooch and a diamond glinting somewhere between her jeweled comb and her cut-steel buckles. She cares no more for ornaments than Omar did for hooch. Which is where the lovely women differ from the stalwart of the species. A man is satisfied with one pink frat pin.

No guy has made the most of his college education unless he comes from college drooping with a frat pin on his chest. A bird that spends four years on the front line benches without bagging a campus Croix-de-Guerre is skipping pretty close to the nix column. He must face the world without a fancy hat band, without a mystic grip to slip all comers and without the Greek alphabet peeking from his vest. And that's some handicap. Since sport shoes came down to \$6 a pair, it is getting harder and harder to distinguish the college guy.

There are 11,926,012 combinations of the Greek alphabet and just that many frats. Everything secret nowadays is labeled alpha or omega, including salad dressing and linament formulae. Any guy that lopes thru college without being tagged for some Greek outfit is a dud with a capital "D" and a missing fuse.

The frat guys are the outstanding gazinks of the dear old alma mater—the boys that drink the midnight fusel oil. The collegiate Ku-Klux is the real thing in the mystic department. And the Greek letters are the code language for something hidden and unseen, as for example, Beta Vodka Delta for B. V. D's. The boys that peddle the hush dope make the moonshiner look like a public character.

All the real folks have been tagged for honors. George Washington belonged to the Kanan Tell Li fraternity, Babe Ruth has joined the Hitta Lotta Runs and Ponzi belongs to the I. O. U.'s.

No frat brother is complete without a triangle of platinum pinned where he spatters his breakfast eggs. The real thing in frat fixings is a couple of spare parts of the Greek alphabet enclosed by a barrage of baby pearls and Attleboro diamonds. The aleck that carries one of these hokey-oopkeys over his fifth rib is a loudbang in frat circles. And every year they murder 120,000,000 oysters just to get pearls for the edges of those pins.

The big minutes in a frat guy's life is when he gives a gal that pin. The skies quiver and the gods halt till the safety clasp pierces the dame's georgette. According to all the by-laws and umpty-umpty of the sacred frat, the lady is now engaged to the yap that just gave up the pin. It is a thrilling moment, especially to a Jane that can't read Greek.

Another star-spangled ceremony connected with the Balkan alphabet is slipping the frat grip. The grand and solemn handclasp has all the finger movements of a cornet solo without the cornet. When Greek-letter guy meets Greek-letter guy then comes the tug of paws. There is no thrill like feeling the authorized squeeze of the brother frathead. And there are more victims of the Greek grip than there are of the Spanish influenza.

The intricate moves of the regular handclasp makes the Bertillon system look like a rough description. But even so, the grip's a good thing for the college boys—it's the one kind of manual labor that they fall for. And that's our argument. You don't have to be a frat guy to get by in life, but it helps. When you are broke and starving miles from home you can always hock the frat pin.—(Ex.)



## The Freshman Smoker

THRU THE KEYHOLE



The Freshman smoker on December 3, 1920, was well attended by men from all of the classes. Perhaps the large attendance was due to the fact that there had been a hint of something special in the way of entertainment. The programme started with a selection by the famous Freshman Orchestra. Following this, Spoof Walker and Snipe Schaefer staged a thrilling pillow fight in which Spoof was declared winner on points. Marek and Smith then engaged in a mock sparring bout, each of the contestants being blindfolded. This mock bout was followed by a real one between H. O. Schramm and Kessler, in which Kessler had the advantage although both contestants displayed good form at times.

This ended the fistic entertainment for the evening and the next type was brought on. This was Fred Underwood, who rendered a vocal solo. Not to be outdone, the orchestra played the other selection that is in the repertoire. All the preceding forms of amusements were tame when they are compared to that which followed.

The next thing on the list of amusements was the main drawing card of the evening. And as the imported cabaret dancers from the city of St. Louis came tripping in there was a great outburst of spontaneous applause, mingled with several hundred fervent sighs. However wild the Miners were, to be the lucky ones who should draw the attention of these dancers the luck was with the United States Army—Lieut. Peckham; Wall Street—Fred Smith; Rolla—Prof. Butler, and at last one or two of the students, principally Stroup, because he had less hair on his head than most of us.

The Miners were truly appreciative of the performance and enjoyed it immensely. The Smoker was a complete success as there were plenty of smokes and lots of pep.



# ROLI A MO

He: "Let's kiss and make up!"  
She: "If you're careful, I won't have to."

\* \* \* \*

## ECONOMICS

Prof. Boyce was waxing warm on the topic of Supply and Demand. Noticing a lack of attention, he asked: "Mr. Reid, give me an example of an elastic demand."

Mr. Reid answered: "A pair of garters."

\* \* \* \*

## WE'LL BITE

They say its not the dress that makes the chorus girls. Then what is it?

\* \* \* \*

## DO TELL!

Elizabeth: "Doctor, I want you to vaccinate me, but I want it done in some place where it won't show."

Dr. Bay (meditating): "Well, I don't see how I can do it without doing it internally."

\* \* \* \*

## DO YOU BELIEVE IT?

"You are concealing something from me!" hissed the villain.  
"Certainly I am," replied the fair damsel; "I ain't no Salome."

\* \* \* \*

## IS THAT SO

Crow: "What date is tomorrow?"

Dip: "Jim's."

\* \* \* \*

## HERE AND THERE

Schwarz (World-famed Explorer): "I've been everywhere all over the world and seen everything."

McBride (Local Explorer): "D'je ever take some of this unlabeled whiskey?"

Schwarz: "Never did."

McBride: "You've never seen anything then."

\* \* \* \*

## THEY ARE SO INNOCENT

Lovesick Frosh: "You are the breath of my life, dearest."

The 400: "Do you mean it? Then see how long you can hold your breath."

\* \* \* \*

## TAKING NO CHANCES

Any Prof.: "This examination will be held under the honor system. Take seats three apart and in alternate rows."



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F. A. CAMERON, - Ass't Cashier  
W. J. McCaw - - Ass't Cashier

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E.H.W.

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*Page 206*

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FURNITURE, CARPETS  
AND WALL PAPER

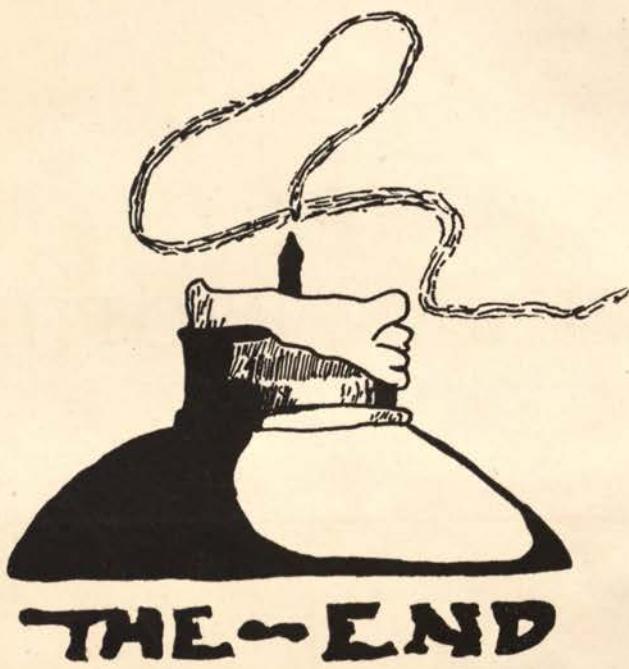
In Southwest Missouri

HARRY R. McCAW  
PINE ST.  
ROLLA, MISSOURI

Undertaking and Embalming



ROLI AMO



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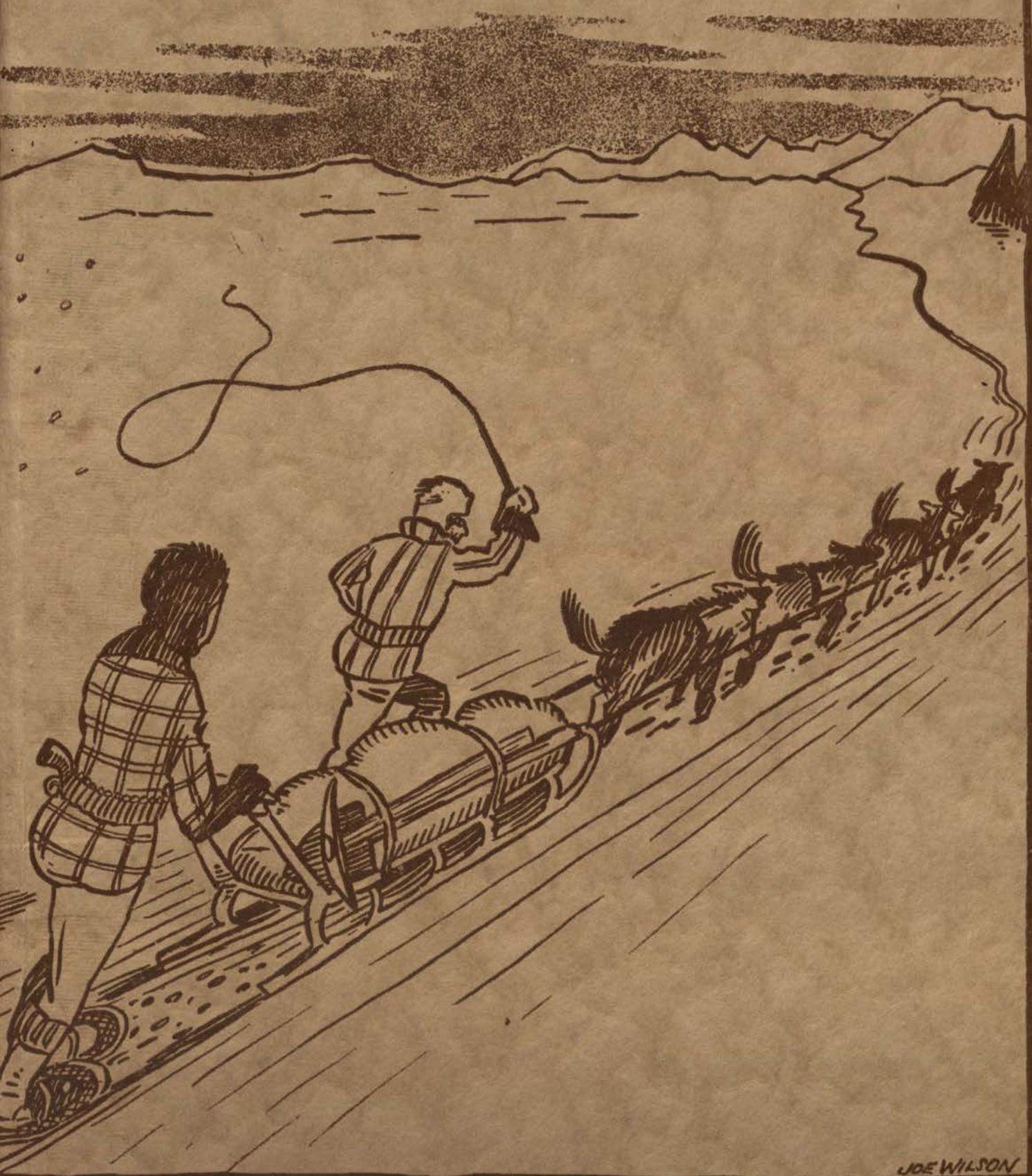
EHW



# THE ENGINEER - THE



# FORE RUNNER OF CIVILIZATION



JOE WILSON

